

**"DECLASSIFIED"**

*Rec'd 6/16/93*

06 APRIL 1993

~~CONFIDENTIAL~~ - Unclassified upon removal of enclosure (4)

From: Command Historian, USS INGRAHAM (FFG 61)  
To: Director of Naval History (OP-09BH)

Subj: USS INGRAHAM COMMAND HISTORY, CALENDAR YEAR 1992 (U)

Ref: (a) OPNAVINST 5750.12E, Command Histories  
(b) USS INGRAHAM Command History, Calendar Year 1991 (U)

Encl: (1) Ship's activities, Calendar Year 1992  
(2) Command Historian notes  
(3) History, USS INGRAHAM (FFG 61)  
(4) Primary sources (U) *(IN CLASS FILE)*  
(5) 1991 Deployment Cruisebook

1. In accordance with ref (a), enclosures (1) through (4) form the USS INGRAHAM Calendar Year 1992 Command History.
2. Enclosure (5) should be removed from this command history and placed in ref (b).
3. This sheet is unclassified upon removal of encl (4). Enclosures (1) through (3) are unclassified.

*Michael D. Hendrickson*

M. D. HENDRICKSON

**"DECLASSIFIED"**

## COMMAND HISTORY 1992

### JANUARY 1992

Visit San Francisco CA. Weapons offload at Concord CA.  
Transit to Long Beach CA.  
Start SRA-1 at Pier Sixteen, NAVSTA LONG BEACH CA.

### FEBRUARY 1992

Continue SRA-1.

### MARCH 1992

Continue SRA-1.  
02 ASW TT Phase I (end 06 Mar)  
16 ASW TT Phase II (end 20 Mar)  
23 SWT-LB (end 27 Mar)  
24 INT-2-SF-RP INTEL INFO RPTS.

### APRIL 1992

Continue SRA-1.  
20 CDS-9 Pre-LOA Assessment (end 21 Apr)  
27 Refuel. START MTT PHASE 1B. TMA BRGS/FREQS TT-- OS's fail  
pre-exam.  
30 Personnel inspection

### MAY 1992

11 TEMPEST Inspection (end 15 May)  
13 START LIGHT OFF ASSESSMENT (by MTT Long Beach). Ends 14 May.  
14 Start Surface Rescue TT (end 15 May). IPT drills.  
18 EMI Pre-survey (end 19 May)  
21 U/W: Sea Trials (SOCAL OPAREA)  
22 IPT: NAVSTA LONG BEACH CA. Deliver ship.

### JUNE 1992

01 IPT: EMI Survey (ends 05 Jun)  
03 IPT: AAV. Link symposium 92-3 at EM Club.  
05 IPT: Underwater hull cleaning  
08 U/W: Ammo Onload (Seal Beach). U/W for ISE SOCAL OPAREA.  
09 U/W: UNREP with USNS JOHN ERICSSON (JP-5/F-76)  
10 U/W: AAWTRACKEX (with Flight International Lear Jets).  
11 U/W: AAWTRACKEX (with Flight International Lear Jets). DLQ's  
12 IPT: NAVSTA LONG BEACH CA. Conduct precision anchorage at  
Anchorage Juliette prior to mooring.  
13 IPT: EATS installation.  
14 IPT: Ship tour: Cub Scouts  
15 U/W: Start COMPTUEX 92-6T. SOCAL OPAREA. In company with USS  
HALSEY (CG 23), USS DUNCAN (FFG 10), USS WADWORTH (FFG 9),  
USS LOCKWOOD (FF 1064), USS MOBILE (LKA 115). Exercise  
OTC: CCG-7.  
AAW-3/4-SF, ASW-22/23/40-SF, CCC-24-SF

16 U/W: ASU-3/4-SF, ASU-8-SF, ASW TRACKEX, ELW-3/4-SF (REWS Range), CCC-9/15/17-SF, DLQ's  
17 U/W: AAW-12/21-SF, ASU-4-SF. ASU-8-SF. ASW-18/24-SF, ASW-23/35-SF, ASW-42-SF, ECC'S. CCC-4-SF. CCC-7-SF. CCC-18-SF. 18 U/W: PMTC MISSILEX (HALSEY OTC), ECC'S, DLQ's  
19 U/W: ASW-42-SF  
IPT: NAVSTA LONG BEACH CA  
20 IPT: Visit ship  
22 IPT: ARE. Start Flight Deck EME Survey (end 26 Jun). Start HERO Survey (end 26 Jun). Start PACTRAMID I (end 17 JUL). Embark 3 1/c, 3 2/c Midshipmen. Start Onboard Harpoon TMA TT (end 26 Jun).  
24 U/W: SOCAL OPAREA. ASU-14/16-SF.  
26 IPT: NAVSTA LONG BEACH CA  
29 IPT: Start CIWS CSSQT (end 10 Jul).

#### JULY 1992

04 INDEPENDENCE DAY: HOLIDAY ROUTINE  
06 U/W: Duty Section One man all stations for Sea & Anchor Detail. Start Noise and Heat Survey Stress Survey (end 09 Jul).  
07 U/W: CSSQT: CIWS TRACKEX. CIWS FIRING AT TDU-34. 142 DLQ's!!  
08 U/W: Burial at sea. ECC's. Anti-mine gunnery exercise.  
09 U/W: I-Division. UNREP.  
10 IPT: NAVSTA SAN DIEGO CA. Moor to buoy prior to mooring Pier 12. Start Training Availability. Degaussing range.  
13 IPT: CCS Trainer (end 16 Jul). PMT Vibration Analysis Visit. Start OPDEC survey (end 24 Jul). NCO-35-SF.  
14 IPT: Postal Assist Visit (end 15 Jul).  
15 IPT: Surface Ship Safety Survey. Safety Standdown.  
20 IPT: Start Radar Assisted Piloting COI (end 22 Jul).  
24 U/W: Dependents' Cruise. SCLISIS.  
IPT: NAVSTA LONG BEACH CA  
25 IPT: Upkeep  
27 IPT: Command Inspection (by COMDESRON NINE). Ends 30 Jul. CCC-22-SF.  
28 IPT: Main Space Fire for COMDESRON NINE.  
29 IPT: Ammo Onload at Pier Nine.

#### AUGUST 1992

04 U/W: SOCAL OPAREA. AAW-4-SF.  
05 U/W: DLQ's for HSL-43/47 AND HS-10. AAW-9/20-SF. AAW-6-I. ELW-33-SF and AAW-4-SF (in jamming environment) by EF-18's (VAQ-34). ASUW-9-SF/MIW-11-SF. NCO-15-SF.  
06 U/W: AAW-4-SF. ASW-24-SF (HSL-49). UNREP.  
07 IPT: NAVSTA LONG BEACH CA.  
11 IPT: Sexual harassment standdown.  
15 IPT: INCSEA INT-5-SF-RP exercise.  
17 IPT: Lincoln Battle Implementing Conference at SWOSCOLPAC (end 21 Aug).  
18 U/W: SOCAL OPAREA for MTT.  
19 U/W: ECC's. AAW-4-SF.  
20 U/W: ECC's. AAW-4-SF.  
21 IPT: NAVSTA LONG BEACH CA.  
22 IPT: Visit ship  
24 IPT: Start TMA BRGS/FREQ TT (end 28 Aug). Start Diesel Inspection (end 04 Sep). Start CNO Project 107-2 (SM-1 MR BLK VI B). Ends 19 September.

31 IPT: AAWC WCC at TACTRAGRUPAC (ends 03 Sep).

SEPTEMBER 1992

- 09 U/W: SOCAL OPAREA. AAW-4-SF. AAW-24-SF. Engineering tasks.  
10 U/W: Continue tracking exercises  
11 IPT: NAVSTA LONG BEACH CA  
14 U/W: Ammo Onload (Seal Beach CA). Onload six SM-1 MRs for CNO Project. NCO-30-SF. NCO-18-SF.  
IPT: NAVSTA LONG BEACH CA.  
15 U/W: PMTC for CNO Project. ECC's.  
16 U/W: PMTC. AAW TRACKEX: AAW-4-SF. ECC's/tasks.  
17 U/W: PMTC. SM-1MR FIRINGS: AAW-9/10/11/24. UNREP: MOB-S-10-SF. MOB-D-18-SF  
18 U/W: PMTC. SM-1MR FIRINGS.  
19 U/W: PMTC. SM-1MR FIRINGS.  
IPT: NAVSTA LONG BEACH CA.  
21 IPT: ASUW WCC at TACTRAGRUPAC.  
22 IPT: I-Division. STT trng.  
24 IPT: SEWC mtg onboard ABRAHAM LINCOLN. ULQ-16 V(2) installation. 2M recert.  
28 U/W: COMPTUEX 92-9T (end 02 Oct). Embark COMDESRON TWO ONE as CTU 11.7.1 (COMPTUEX OTC). Participate with USS MAHLON S TISDALE, USS JOHN A MOORE, USS SIDES, USS DUNCAN. AAW-3/4-I. ASW-1-SF. CCC-8/22/24-SF. DLQ's. MOB-S-14-SF. MOB-E-011-SF. MOB-E-015-SF. MOB-E-008-SF. MOB-E-311-SF. MOB-E-307-SF. MOB-E-012-SF. MOB-E-015-SF. MOB-E-301-SF. MOB-E-325-SF. MOB-E-304-SF. MOB-E-305-SF. DLQ's: HSL-43/47/49  
29 U/W: AAW-12/21-SF. ASW-18/24-SF. ELW-4/5-SF, NIGHT STM PKG A. NCO-32-SF. ECC's. Helo PAX: CSO, CDS-21.  
30 U/W: ECC's. AAW-17-SF. AAW-23-SF. CCC-9/12/15/16-SF. DLQ's.

OCTOBER 1992

- 01 U/W: PMTC MISSILEX: INGRAHAM served as AAWC and FTC, but did not fire. ASU-17-SF. MOB-S-10/16-SF. ECC's. CCC-16-SF.  
02 U/W: MOB-S-12-SF VBSS. NCO-37-SF. CCC-17-SF.  
IPT: NAVSTA LONG BEACH CA. Debark COMDESRON TWO ONE.  
05 IPT: Start CART II (end 16 OCT)  
SLQ-32, IFF, Radar checks. 50-cal checks. Computer confidence checks and POFA's. DC Admin review/DC equipment checks/P-250 and sub pump equip demo. Written evaluations: RM, COMMO, IC, STG, TAO, TM, OS, lookouts, Navigator, QM, FC, GM, EW, EWO, ASWO, ASWE, GS. Medical Readiness Eval. Combat Systems Doctrine/Battle Orders review. CSTT organization review. OPS/CS PQS & Trng review. Deck admin review. VBSS review. Visual comms equip/admin review/inventory. IC parameters check. CS Smooth Log review. Electrical cooling water checks. First aid exam. OCSOT. Seamanship Training Team (STT) review. Fire air slugs.  
06 IPT: Equipment checks: Sonar, HF/UHF Comm, Gun/GMLS. STT review. YOKE checks. DC material review. Aviation admin review. DC tasks. Dry air system checks. Computer peripheral POFA's. Deck equip inventory. GQ. MK 309/SVTT air slug tests. Link 11 POFA's. VHF equip checks. 07 IPT: Engineering Admin review, egress training, visual comms skills demo, admin reviews/equip checks/display POFA's/engineering material checks.  
08 IPT: Embark CDS-9 (end 09 Oct). Pre-fire checks on all wpns

- systems. Engineering oral boards. CIWS SOTS (AAW-20-SF Phase I).  
 Degaussing system checks.
- U/W: Nav check ride/run degaussing range/low visibility exercise/swept channel exercise. CIWS PACFIRE (AAW-20-SF Phase III). DS/ET exams. ECC's. GQ: Main space fire. CSOSS drills.
- 09 U/W: Embark COMDESRON NINE. AAW-20/24-SF. ASW-16-SF w/ Mini Mobile Target, XBT drop. ASUW-2-SF. Stream Nixie, Sonar Self Noise Check. UHF Longhaul. Tacan/IFF demo. Precision anchoring (simulated).  
 IPT: NAVSTA LONG BEACH CA
- 12 IPT: COLUMBUS DAY: HOLIDAY ROUTINE.
- 13 IPT: Install IFF antenna, PCMS instrumentation. Teams onboard: Harpoon material cert, 3M/PMS, SMA, NEY eval, CMS assist, Environmental health, Physical Security, SESI PAADPAC.
- 14 IPT: Base PAO ship tour. Teams onboard: Harpoon material cert, 3M/PMS, SMA, NEY eval, Physical Security review, SESI, DRE. CNO Project 886 briefing.
- 15 IPT: Harpoon material cert/3M-PMS cert/SMA/NEY eval/SESI/MWR review/NAVOSH review teams. CMTQT assist: admin review.
- 16 IPT: Teams onboard: Harpoon material cert, 3M-PMS cert, SMA, NEY eval, SESI, NAVOSH, Disbursing Audit, Equal Opportunity, Legal review. CMTQT assist: scenario.
- 19 IPT: PCMS blanket installation checks. 20 U/W: For CNO Project 886: OUTLAW BANDIT checks by SESEF San Diego. MOB-D-27-SF. MOB-S-13-SF.
- 21 U/W: MOB-E-328-SF. MOB-E-009-SF. MOB-E-010-SF. MOB-E-300-SF. MOB-E-015-SF. MOB-N-4-SF. ASU-2-SF. DLQ's: MOB-S-13-SF W/ HSL-41 and -49.
- 22 IPT: Refuel 25 Embark HSL-49 Det 1
- 26 U/W: TRANSIT to Pearl Harbor for TSTA I. DLQ's: MOB-S-13-SF. MOB-D-27-SF.
- 27 U/W: Helo ops.
- 29 U/W: Helo ops
- 30 U/W: Helo ops. ASU-2-SF. MOB-E-012-SF. MOB-E-015-SF. MOB-E-301-SF. MOB-E-325-SF. MOB-E-304-SF. MOB-E-305-SF. MOB-E-302-SF. MOB-E-008-SF. MOB-E-324-SF.
- 31 IPT: NAVSTA PEARL HARBOR HI

## NOVEMBER 1992

- 02 U/W: DLQ's
- 04 U/W: YOKE checks, Engineering oral boards, CSTT training, ASUW/Harpoon training, EW training, ammo transfer (NE loch, Pearl Harbor), GQ/CIC/Repair Lkr training, deceptive lighting evaluation. CCC-1-SF. CCC-6-SF. CCC-15-SF. CCC-19-SF. CCC-8-SF. MOB-D-8-SF.  
 IPT: NAVSTA PEARL HARBOR HI
- 05 U/W: Degaussing range, Q-route, helo ops, ECC's, ASUW/Harpoon trng, DLQ's with HSL-37/49, SAR trng.
- 06 U/W: SAR trng, Helo ops w/ crash drill, GQ/emergency distruction/ZEBRA checks/abandon ship/mass casualty trng. CCC-2-SF. CCC-20-SF. ASW-6-SF. ASW-16-SF. ASW-17-SF. MIW-9-SF. MOB-D-3-SF. MOB-D-11-SF. MOB-D-27-SF. MOB-S-8-SF. VERTREP. MOB-S-15-SF. ASU-2-SF. FSO-M-9-SF. MOB-7-SF. MOB-N-2-SF. MOB-N-5-SF. MOB-S-13-SF. MOB-S-25-SF.  
 IPT: NAVSTA PEARL HARBOR HI
- 07 U/W: MIW-9-SF Q-ROUTE TRANSIT. MIW-10-SF TRANSIT MINED AREA. MIW-11-SF ANTI-MINE GUNNERY.
- 09 U/W: Mod ZEBRA checks, degaussing range, Q-route, ECC's, helo

- ops, hit Alpha tasks. MOB-D-11-SF. MOB-N-2-SF. MOB-N-4-SF. ASU-2-SF. ASW-16-SF. AAW-24-SF. AAW-20-SF. MOB-E-328-SF. MOB-E-311-SF. MOB-E-307-SF. MOB-E-008-SF. MOB-E-009-SF. MOB-E-302-SF. MOB-E-015-SF. MOB-D-9-SF. MOB-E-016-SF. MOB-E-306-SF. MOB-E-0110SF. MOB-E-007-SF.
- 10 IPT: NAVSTA PEARL HARBOR HI. CCC-6-SF. NCO-1-SF. NCO-2-SF. NCO-4-SF. NCO-16-SF. NCO-17-SF. MOB-D-28-SF. FSO-M-1-SF. FSO-M-3-SF. FSO-M-4-SF. FSO-M-5-SF. FSO-M-6-SF. FSO-M-7-SF. FSO-M-8-SF. Repair party CBR tasks and MOPPEX walk-through. NCO-3-SF. NCO-8-SF. NCO-11-SF. NCO-12-SF. NCO-13-SF. NCO-14-SF.
- 11 U/W: NCO-1-SF. NCO-2-SF. NCO-16-SF.
- 13 U/W: US Army DLQ's, helo ops, surface gunnery ops
- 16 U/W: VBSS with USS Safeguard. Intel drill. ECC's. COND III battle problem. Helo ops. Darken ship/deceptive lighting evaluation. Extended EMCON.
- 17 U/W: Extended EMCON, QST-35 GUNNERY EXERCISE, TORPEX (MK 30 target), helo ops, MISSILEX, EWEX with RC-10, SRBOC firing, GQ, abandon ship/emergency destruction. 18 U/W: ECC's, COND III battle problem. AAW-11-SF. ASU-2-SF. ASU-9-SF. ASU-8-SF. ASW-1-SF. ASW-4-SF. ASW-8-SF. ASW-13-SF. ASW-18-SF. ASW-23-SF. ASW-41-SF. CCC-20-SF. ELW-4-SF. ELW-5-SF. ELW-6-SF. ELW-17-SF. ELW-25-SF. MOB-D-3-SF. MOB-D-11-SF. MOB-D-24-SF. MOB-N-2-SF. MOB-S-6-SF. MOB-S-7-SF. MOB-S-13-SF. MOB-S-25-SF. INT-1-SF-RP INTEL RPT. INT-1-SF-MS SIGHTING TEAM.
- 18 IPT: NAVSTA PEARL HARBOR HI
- 19 IPT: TSTA I Debrief: END TSTA I. Refuel (F-44).  
U/W: Transit to Long Beach CA. Degaussing range, ECC's, helo ops.
- 20 U/W: ECC's, helo ops, VBSS C&C exercise.
- 21 U/W: VBSS C&C exercise, helo ops, ECC's, engineering safety checks, CSTT trng.
- 22 U/W: ISIC Pre-exam assessment (end 24 Nov).
- 23 U/W: ASUW exercise. Helo ops. ECC's. ASU-18-SF 50 CAL gun shoot. MOB-D-9-SF. MOB-E-5-SF. MOB-E-7-SF. MOB-E-12-SF. MOB-E-15-SF. MOB-E-16-SF. MOB-E-305-SF. MOB-E-328-SF.
- 24 U/W: OS MESS NIGHT: PIZZA. ECC's. Helo ops w/ crash & smash drills. MOB-E-5-SF. MOB-D-9-SF. MOB-D-27-SF. MOB-E-7-SF. MOB-E-12-SF. MOB-E-15-SF. MOB-E-16-SF. MOB-E-305-SF. MOB-E-328-SF. Engineering tasks.
- 25 IPT: NAVSTA LONG BEACH CA.
- 27 IPT: Embark COMDESRON NINE (end 01 Dec)
- 30 IPT: ASW WCC at FCTCPAC. MOTU 11 Comm System Groom/Trng.

## DECEMBER 1992

- 01 IPT: Link systems application package trng: DS, OS, ET, RM. Refueling.
- 03 IPT: COMDESRON NINE flagship (end 06 Dec). Ipt drills.
- 05 Muster crew for OPPE shift work (end 07 Dec).
- 08 IPT: Start OPPE. ASW TT Phase III (end 09 Dec)  
U/W: SOCAL OPAREA for OPPE.
- 09 U/W: OPPE. Complete U/W checks and drills.
- 10 IPT: NAVSTA LONG BEACH CA. OPPE debrief.
- 11 IPT: Start IMAV (end 04 Jan). Start SQQ-89 OBT (end 31 Dec).
- 14 IPT: Start NR&R Standdown (end 15 Dec).
- 15 IPT: Start Holiday leave period (end 28 Dec).
- 16 IPT: Safety standdown.
- 17 IPT: LBG SLAMEX 93-04. Ipt drills.

18 IPT: Zone inspection  
24 IPT: CHRISTMAS EVE. HOLIDAY ROUTINE.  
25 IPT: CHRISTMAS DAY. HOLIDAY ROUTINE.  
28 IPT: Start second Holiday leave period (end 07 Jan).  
29 IPT: COMDESRON NINE Commanding Officers' Conference.

06 APRIL 1993

### Command Historian Notes

#### Narrative of the Year's Events:

1. 1992 proved to be a busy year for the frigate USS INGRAHAM. The ship began the year finishing a leave and upkeep period following her successful maiden deployment to the Arabian Gulf as part of the BATTLE GROUP FOXTROT. After an ammunition offload at Concord, CA, INGRAHAM returned to her homeport of Long Beach, CA to begin SRA-1, her first extended maintenance period since commissioning.
2. SRA-1 lasted until mid-May. During the SRA, a notable exodus of INGRAHAM's plankowners began. This continued throughout the year and INGRAHAM ended the year with the plankowners as a minority. In particular, the last two members of the original wardroom departed in December. During this time, we suffered the loss of our Operations Officer, LT Samuel Willis, who died in his sleep.
3. June underway periods included one week independent steaming in the Southern California Oparea regaining our sea legs and a one week COMPTUEX 92-6T. Included in COMPTUEX was a MISSILEX with HALSEY (CG 23) and several frigates. Extensive ASW services were available courtesy of USS LA JOLLA (SSN 701).
4. During the subsequent inport period, INGRAHAM began a CSSQT to evaluate the new CIWS mount installed during SRA. In support of CSSQT, she once again got underway. After successfully completing CSSQT, INGRAHAM pulled into Pier 12, NAVSTA SAN DIEGO CA for a Training Availability. The extended visit also allowed for a pause before INGRAHAM's first command inspection.
5. COMDESRON NINE, INGRAHAM's ISIC, conducted her Command Inspection. COMDESRON NINE, renowned for their exacting standards in this inspection and not bashful about failing ships, passed INGRAHAM on her first try.
6. The underway periods in August were primarily for Engineering Casualty Control drills and to support Deck Landing Quals for HS and HSL squadrons. INGRAHAM was scheduled for more DLQ's than any other ship in THIRDFLT but ended the long hours of flight quarters without mishap.
7. August also began INGRAHAM's association with COMCARGRU THREE and the ABRAHAM LINCOLN BATTLE GROUP. The ship sent a contingent to the Implementing Conference held at SWOSCOLPAC San Diego. We quickly discovered that INGRAHAM was the lone "small boy" in the battle group. With deployment not scheduled until April 1993, however, the battle group would continue to meet only in meetings and team trainers.
8. September was the most important time of the year. INGRAHAM was the participant in a CNO Project that was the logical successor to her highly successful Hawaiian missile shots in 1991. The earlier tests had confirmed that the SYS-2/MK 92 MOD 6 suite was far superior to previous FFG 7 combat suites. The trials also demonstrated that the SM-1MR BLK V/VIA was the weak link in the



AAW DTE sequence against low flyers. The SM-1MR BLK VIB was developed to counter low flying ASM's which are INGRAHAM's most likely enemy. The actual trials consisted of six shots conducted on the Pacific Missile Test Center range. The results were phenomenal: INGRAHAM was one of two shooting with the SM-1MR BLK VIA (both shots were designed to miss) and four of four with the BLK VIB. Her last shot was against a low-flying supersonic Vandal: INGRAHAM's successful engagement was the first ever by an FFG.

9. COMDESRON TWO ONE embarked on INGRAHAM for the week-long COMPTUEX 92-9T. The squadron, ASW Commander of the LINCOLN BATTLE GROUP, came to appreciate INGRAHAM's unique capabilities while we conducted exercises with four other FFG's.

10. After a weekend break, INGRAHAM entered CART II, the successor to the dreaded TRE. CART, in fact, proved to be more thorough than TRE had been, since it contained within other inspections (such as 3M, SMA, and CSA.) Fortunately, months of preparation paid off and the ship passed (with a considerable list of discrepancies) and was able to conduct TSTA I.

11. INGRAHAM held her TSTA I in Pearl Harbor. After the experience of CART II, and in comparison to REFTRA, TSTA I seemed almost leisurely to Operations and Combat Systems personnel. To the repair parties, however, TSTA I was a never-ending parade of drills, YOKE/ZEBRA checks, and DC tasks. The DC training paid off shortly when INGRAHAM returned from the tropical paradise and ran into the cold world of OPPE.

12. COMDESRON NINE staff rode the ship back from Hawaii and conducted an IERA. The ship conducted as many ECC's as our rapid PIM would allow. The week after arrival in port was hectic for the engineers and for the numerous tiger teams that were created to fix the large number of DC and preservation discrepancies. In the end, the entire ship was placed on shift work through the final weekend to ready INGRAHAM for OPPE.

13. INGRAHAM passed OPPE and was able to end the year much as she started it, inport Long Beach with much of her crew on leave.