



DEPARTMENT OF THE NAVY
FIGHTER SQUADRON TWO
FPO SAN FRANCISCO 96601

IN REPLY REFER TO:
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Ser 14/100

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From: Commanding Officer, Fighter Squadron 2
To: Chief of Naval Operations (OP-05D2)
Subj: SUBMISSION OF FITRON TWO 1985 COMMAND HISTORY REPORT
Ref: (a) OPNAVINST 5750.12C
Encl: (1) Fighter Squadron TWO Command data
(2) Commanding Officer's Biography
(3) Executive Officer's Biography
(4) Clifton Award submission for 1985
(5) Fighting TWO Bounty Hunter Muthu Cycle Highlights
(Sep 84-Sep 85)
(6) 3M Aviation Summary, Dec 1985
(7) Welcome Aboard program

1. Enclosures (1) through (5) are submitted as directed by reference (a).

2. The following can be found as noted.

A. Command Organization

(1) Fighter Squadron TWO Command Data Encl (1)
(2) Biography of Commanding Officer Encl (2)
(3) Biography of Executive Officer Encl (3)

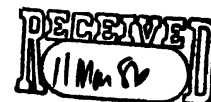
B. Summary of Operations

(1) Chronological History Encl (4)
para 3.f

C. Special Topics

(1) Achievements in Combat Readiness Encl (4)
para 1
(2) Achievements in Weapons Systems Readiness Encl (4)
para 2
(3) Achievements in Combat and/or Combat Exercises Encl (4)
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(4) Achievements in Aviation Safety Encl (4)
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(5) Contributions to Weapons System Development Encl (4)
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(6) Contributions to Tactics Development Encl (4)
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(7) General Contributions to Individual Community Encl (4)
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(8) Achievements in Personnel Readiness	Encl (4)
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J. A. CAMPBELL

Distribution:
Director of Naval History (OP-09BH)
COMNAVAIRPAC (w/o encl)
CVW-2 (w/o encl)

1. FIGHTER SQUADRON TWO COMMAND DATA

COMMANDING OFFICER: Jay A. Campbell, CDR, USN

EXECUTIVE OFFICER: Frederick J. Dodge, CDR, USN

SQUADRON MISSIONS:

- a. To sustain at all times the capability to establish and maintain Maritime Air Superiority in the vicinity of the Task Force.
- b. To project power ashore in support of strike operations and maintain air supremacy in the vicinity of a strike group.
- c. To provide a tactical reconnaissance capability.

SENIOR ADMINISTRATIVE COMMAND: Commander Fighter Airborne Early Warning Wing, U.S. Pacific Fleet

SENIOR OPERATIONAL COMMAND: Commander Carrier Air Wing TWO

AIRCRAFT: GRUMMAN F-14A BUREAU NO's: 158986, 158998, 160693, 160695, *160914, *161273, *161275, 161291, 161293, 161295, 161297, 161299, 161443, 159837, 161276.

DEPLOYMENTS: USS RANGER CV-61: ISE-2 OPS 7-10 SEP
REFTRA 6-17 OCT
OPS 3-16 DEC

* Configured to carry the Tactical Air Reconnaissance Pod System (TARPS)

1. Achievements in Combat Readiness.

a. *Flight hours:*

(1) Total flight hour grant:	3102.0
(2) Total hours flown:	3174.1
(a) day:	2383.9
(b) night:	791.2
(3) Total embarked hours:	491.8
(a) day:	325.4
(b) night:	166.4
(4) Total sorties:	2265
(a) day	1739
(b) night	526

b. *Ship landings:*

(1) Total carrier arrested landings:	617
(a) day:	380
(b) night:	237
(2) Overall boarding rate:	84.1%
(a) day:	86.3%
(b) night:	80.0%
(3) Carrier landing grades	
(a) 3.46	

c. N/A

d. N/A

e. N/A

f. N/A

g. CWTPPI results: 94.7% / Outstanding

n. N/A

i. IWSR results: Satisfactory

j. Command inspection: N/A

2. Achievements in Weapons Systems Readiness.

a. Aircraft Availability (based on 3M data):

(1) Full Mission Capable (FMC) rate: 56.0%

(2) Mission Capable (MC) rate: 70.4%

b. Cannibalization rate per 100 flight (3M data): 46.5%

c. A-799 rate (3M data): 4.4%

d. Material condition, Corrosion Control Inspections: None

e. Winner of FY85 BOOLA BOOLA Award for Weapons System Readiness.

3. Achievements in Combat and/or Combat Exercises.

a. ORE results: N/A

b. Competitive Exercises:

(1) Individual Aircrew:

Total E's - 74

Q's - 2

NQ's - 4

(2) No-notice LOADEX - 4MAR85 score of 100 for 4 Missile Loads. 23OCT85 score of 100 for 4 Missile Loads.

c. Missile Firings:

<u>BUNO</u>	<u>TYPE MISSILE</u>	<u>NUMBER FIRED</u>
158986	AIM-7E-4	1
	AIM-7F	1
	AIM-9H	1
159869	AIM-7E-4	1

VF-2
1985

161291	AIM-9H	1
161293	AIM-9H	1
161443	AIM-7M	1
	AIM-7F	1
160914	AIM-7E-4	1
	AIM-9H	1
161297	AIM-7E-4	1
	AIM-9H	1

d. *Ordnance expenditures:*

- (1) *Missiles - 100% of allowance*
- (2) *20 MM TP - 100% of allowance*
- (3) *20 MM HEI - not expended due to AIRPAC restrictions*
- (4) *Chaff - 22% of allowance*
- (5) *Flares - 100% of allowance*

e. *N/A*

f. *Major exercises:*

(1) *Participated in the following exercises throughout 1985.*

- a. *CFAWP Recce Rally* 4 Jan
- b. *Mini FAST* 7-8 Jan
- c. *Hey Rube 85-2* 9-14 Jan
- d. *Readiex 85-1 Orange Air Support* 16-21 Jan
- e. *TOPGUN weekend* 26-27 Jan
- f. *Sponsored CVW-2 Strike week* 11-14 Feb
- g. *Fallon TACTS Range certification* 19-22 Feb

VF-2
1985

h. Hosted 550th TFTS from Luke AFB 25 Feb - 8 Mar
i. No-notice Loadex/Missilex 9 Mar
j. Scheduled Missilex 20 Mar
k. Rising Fighter 11-15 Mar
l. CFAWP Recce Rally 20 Mar
m. CNO Recce tasking 28 Mar
n. FFARP 1-24 Apr
o. Fighter Derby 25-26 Apr
p. TOPGUN Class 4-85 6 May - 7 Jun
q. No-notice Missilex 6 May
r. Hosted CFAWP Many vs Many 15 May
s. No-notice Missilex 14 May
t. READIEX 85-2 Orange Air Support 3-31 May
u. Fallon TACTS Range Certification 28-30 May
v. RED FLAG 85-4, Nellis AFB 1-14 Jun
w. TITAN CORP. U-2 Exercise 27 Jun
x. Hosted VMFA-542 from Cherry Pt, NC 1-27 Jul
y. CVW-2 Mini Strike Det, NAS Fallon, NV 13-19 Jul
z. ACM Detachment, Williams AFB 5-9 Aug
aa. Hosted mixed section (VF-1/VF-2) 2v2 DACT 14 Aug
bb. BULLET Blow Out 14 Aug
cc. CONSTANT PEG 27-30 Aug
dd. VF-2 Change of Command 29 Aug
ee. CV-61 ISE-2 OPS 7-10 Sep
ff. TOPGUN Class 6-85 16 Sep-17 Oct
gg. CV-61 REFTRA 6-17 Oct

VF-2
1985
23 Oct

- hh. No-Notice Loadex/Missilex 23 Oct
- ii. Air-to-air Gunnery Det, NAF El CENTRO 29Oct-8Nov
- jj. HIGH NOON Gun Derby 7-8 Nov
- kk. READIEX 86-1 Orange Air Support 13-21 Nov
- ll. CV-61 OPS 3-16 Dec
- mm. TARPS SAGE BRUSH mission 10 Dec

4. Achievements in Aviation Safety.

- a. Total continuous hours accident free: 11,667
- b. Major accidents: None
- c. Minor accidents: One

(1) Class C Flight Mishap 01-85. Fodded engine. AN/APN-54 radar beacon blade antenna ingested into intake during inflight refueling evolution.

- d. Ground accidents/incidents: None
- e. Safety reports: 56
- f. NATOPS changes submitted: 10

5. Contributions to Weapons System Development.

a. Participated in both East and West Coast OAG (Operational Advisory Group) conferences throughout 1985. Only West Coast fleet fighter squadron to attend July OAG held at NAS Oceana, Virginia.

b. Provided VF-124 OAG chairman with a list of recommended changes (SER 301/61 dated 26 FEB 85) to improve the OAG group efficiency and credibility.

c. Submitted a message to CVW-2 (DTG 211830Z May 85) addressing WCS and Airframe Enhancements required to ensure F-14A tactical superiority.

d. Submitted a point paper to COMFITAEEWINGPAC addressing the AWG-9 deficiencies in an overland environment experienced while deployed at Williams AFB, 5-9 AUG 85.

6. Contributions to Tactics Development.

a. Developed an F-14 division tactic during project Rising Fighter 11-15 MAR which established a 23:1 kill ratio. This tactic has since been submitted in a 3rd Fleet TACMEMO request.

b. Submitted a TOR (Tentative Operational Requirement) (Ser 3000/30 dated 29 July 85) for night vision goggle use in the F-14. Third generation IR goggles were employed for initial evaluation.

c. Submitted a TAC Manual change to VX-4 incorporating the use of TCS in the TARPS RECCE role.

d. Spearheaded the CVW-2 WEPTAC evaluation at China Lake, CA., 2-6 Sep 85. A tactical variation of "chainsaw" (long range AAW intercept) was evaluated. This tactic proved successful and was incorporated in CVW-2 MAS TACPRO 210.

e. Submitted a Low Altitude Training ROE change to CVW-2 (Ser 3500/339 dated 3 Sep 85). These recommended changes would provide an opportunity for Real World training and increase fighter readiness.

f. Developed a CVW-2 generic Strike briefing card which was employed during airwing strike exercises in July and Dec 1985. An updated version will be submitted to SLATS for strike brief evaluation and certification.

g. Continued to develop long range AAW C² (Command and Control) with the use of F-14 AWG-9 Pulsing. These procedures will permit extended range communication during hostile AAW.

h. Spearheaded CVW-2 Tactical Development by upgrading numerous airwing TACPROs and SOPs. Sponsored CVW-2 strike week 11-14 Feb and hosted the most recent COMFITAEWINGPAC Many vs Many, 15 May 85 utilizing over 56 tactical aircraft.

i. Tested the long range TARPS capability of CVW-2 10 Dec 85. Operation "SAGE BRUSH" launched/recovered from CV-61 completing a 2056 nm TARPS mission into Texas using only internal CVW-2 assets.

7. General Contributions to Individual Community.

a. VF community leader in SLATS (Strike Leader Attack Training Syllabus) graduates. Five graduates from SLATS during calendar year 85.

b. Provided F-14s for Fallon TACTS Range certification 19-22 Mar and 23-30 May. Fallon TACTS Range specifically requested VF-2 support in follow-on missions due to their professionalism and can-do attitude.

c. Participated in the TITAN Corp. U-2 Photo exercise and verification 27 Jun 85 and received superlative compliments from the TITAN Corp. for outstanding support.

d. Submitted an OPTAR funding point paper to COMNAVAIRPAC via COMFITAEWINGPAC which would, if approved, revise the funding allocations, and distribute training flight hour funds directly proportional to fighter squadron readiness.

e. Assisted VF-124 with midshipman indoctrination training flights during Jun-Jul 1985. This assist freed up valuable FRS F-14 assets to maintain productivity in pilot and RIO replacement training.

f. Coordinated with Northrop Corporation to produce a TCS aircrew and maintenance crew training film for corporate and fleet uses.

g. The only squadron on the West Coast to actively employ Reserve Aircrew in ground and air training evolutions.

h. Submitted for, and had approved, a NATOPS change directing that the hydraulic transfer pump (BIDI) switch be turned off if hammering/cavitation is experienced in the hydraulic system.

i. The first F-14 squadron to shoot over 17% during COMFITAEWINGPAC High Noon exercise recording 18 Battle "E"s and 2 quals out of 24 total participants. This feat was accomplished despite being allotted only 15,000 rounds of 20MM (approx. one half normally used) for practice and competition.

j. Recorded 153 day/night traps for 5 aircrews over a 4 day period during CV-61 ISE-2.

8. Achievements in Personnel Readiness.

a. Retention rate:

(1) Officers: 93%

(2) Enlisted:

(a) first term: 65%

(b) second term: 100%

(c) career: 67% (2 transfers to Fleet Reserve)

b. Advancement (enlisted):

- (1) number eligible: 225
- (2) number advanced: 117 (18 to E-2, 33 to E-3,
8 selected for E-7)
- (3) number PNA: 127
- (4) number taking exam: 199

9. Commanding Officers Comments.

a. 1985 provided a unique opportunity for VF-2 to lead the Fighter Community in tactical development. Despite critically reduced flight hour funding due to an extended turnaround cycle, the squadron enjoyed a singular opportunity to capitalize on the inventive ingenuity of a highly experienced and aggressive corps of fighter experts. All aircrew were intimately involved in formalizing a tactical SOP and challenging the dogma of "traditional training" in air combat. Testimony to the success in tactics development and employment is the remarkable 23 to 1 kill ratio achieved in Project Rising Fighter, conducted by the Functional Wing TAC D & E office. Opposing superior numbers of threat aircraft which employed forward hemisphere missiles, we optimized the use of our forward quarter weapons, adjusted tactics to greatly reduce the threat capabilities, and enhanced the strengths and versatility of our F-14/AVG-9 weapons system to achieve this unprecedented success. These tactics were highly regarded by VF-126, the Fleet Adversary Squadron, when used in similar scenarios in FFARP, and have become the absolute standard by which other fighter squadrons are measured. Not content with past achievement, the squadron continued to pursue new tactics and to seek to improve existing hardware throughout the year with the most active fleet squadron involvement in the F-14 Operational Advisory Group, and with correspondence addressing tactics improvement and hardware/software shortcomings. Our direct involvement in tactics development and weapons systems improvements was complimented by recognition as leaders in weapons employment, in which the squadron maintained a 100 percent record of success for no-notice missile load and firing exercises winning the COMNAVAIRPAC BOOLA BOOLA award and achieving the highest documented aggregate firing percentage recorded to date in the High Noon Gunnery Competition of over 17 percent.

b. Tactics development and innovation were the key note, while Fighter Squadron TWO further proved its commitment to excellence as summarized in the following:

- * Retained the COMFITAEEWINGPAC TARPS Trophy for aerial reconnaissance expertise.

- * Two aircrew (4 crewmen) completed the NFWS TOPGUN Course and one aircrew completed the ground school portion.

* Continued over six years of maintenance excellence with zero SPINTAC aircraft.

* Surpassed 11,000 accident free flight hours.

* Five crews completed the Strike Warfare Center SLATS course.

* Sponsored two one week airwing Strike Training detachments, exploring new night tactics for A-6E/F-14A.

* Winner of COMFITAEWINGPAC Golden Tailhook Award for the third quarter FY-85, and runner-up nominee for the Annual Golden Anchor Award for retention.

* Maintained one of the lowest message manual intervention rates (MIR) among all units at NAS Miramar (less than 5%).

* Hosted the only Many v Many on the West Coast during the year, receiving a strong endorsement from VX-4 and the Fleet Adversary Squadron.

* Used flight hour allocations to compile highest flight hour and sortie total for fighter squadrons in the Air Wing.

* Accumulated 153 carrier landings in 4 days of flight operations on USS RANGER (CV-61) during ISE-2, nearly 50 percent more than other Air Wing Fighter squadrons.

* First TACAIR squadron to fully carrier qualify (refresh) all aircrew with 10 day/6 night landings during USS RANGER (CV-61) REFTRA.

* Most active and productive participants in Air Wing Warfare Action Boards in revising and originating TACPROs and SOPs.

* Twice participated (specifically requested for follow-on) in Fallon TACTS range validation, meeting or exceeding all evaluation criteria with a 100 percent sortie completion rate.

* Achieved a modern day record for COMFITAEWINGPAC retention by reenlisting 29 squadron personnel at one ceremony on 23 May 1985.

* Conceived and executed a long range TARPS mission using only integral Airwing assets, launching from and recovering on the CV and covering a distance of over 2,000 miles.

FIGHTING TWO
BOUNTY HUNTER MUTHA CYCLE HIGHLIGHTS (SEP 84 - SEP 85)

* Mutha Cycle statistical summary (1 Sep 84 - 10 Sep 85)

- Total hours flown	<u>2767.4</u>
- Sortie completion rate	<u>100 %</u>
- ISE-2 traps (6-10 Sep)	<u>101/57</u> = 158

* No major aircraft mishaps, surpassed 10,000 accident free hours in August 1985.

* Third quarter FY85 COMFITAEWINGPAC Golden Tailhook Award for retention.

* FY84 COMFITAEWINGPAC Golden Anchor Award nominee for Retention (Squadron Retention Manual forwarded to AIRPAC as a model for fleetwide emulation).

* Improved Turnaround readiness from 60.6 percent in the first quarter FY85 to 73.9 percent in the last 3 months, despite the lowest parts and personnel priority at COMFIT.

* Hand picked to participate in the Navy Strike Warfare School validation class for Senior Officer Strike Leaders, "SLATS" Course, directed by SECNAV and CNO. Four class attendees in FY85.

* Picked by COMFITAEWINGPAC to validate innovative MAS Tactics during two one week periods at WEPTAC, China Lake.

* Commended for quick response and superb quality of TARPS Photography in support of cruise missile targeting for CINCPAC in October 1984.

* Hosted the Luke AFB F-15 FRS instructors for a two week ACM detachment, providing tactics cross-talk and improving interservice interoperability.

* Picked by AIRWING Commander to revise the MAS TACPRO/MAS TRNG TACPRO's for CVW-2 new Airwing composition.

* Commended for "greased lightning response to short fused" Tomahawk Cruise Missile targeting photography in mid-November 1984.

* Conducted a highly successful gunnery detachment accumulating 10 century and 4 double century banners, and fired with zero M-61 gun failures. Runner up for 1984 High Noon Gun Derby.

* Drafted the COMFIT TAC D & E input submitted as the Third Fleet TAC MEMO on division tactics!

* Provided rationale leading to COMFIT approval for use of TCS in FFARP and Fighter Derby.

* Deployed on an awesome 2 day Safety Awareness detachment to Snow Summit in January 1985.

Enclosure (5)

- * Published a definitive Squadron Tactical SOP at NKX.
- * 100 percent Missile Firing Success rate and 100 percent validity for No Notice load and firing exercises.
- * Validated 100 percent missile station readiness by loading every station on every squadron aircraft with all missiles adaptable.
- * Hosted the CVW-2 A-6 squadron (VA-145) 10-14 FEB for innovative Strike Week Warfare Training and Combat SAR, using TACTS, Luke Weapons Complex, 29 Palms Range and China Lake Echo Range, flying two strikes daily. (Included an opposed Night Strike with Fighter escort against a SAG in W-289)
- * Conducted a validation for loading and carriage of the F-14A Expanded Chaff Adaptor.
- * Participated in the initial certification of the Fallon TACTS Range in two one week detachments in FEB 85 and MAY 85.
- * Conducted a COMNAVAIRSYSCOM sponsored flight validation of the KA-93 LOROP aerial reconnaissance camera for the F-14 TARPS POD.
- * Evaluated highly successful division tactics against sophisticated forward quarter threats during "Rising Fighter 11-15 MAR," achieving an unprecedented kill ratio of 23:1.
- * Provided highly valuable TARPS photography to permit real time intelligence analysis during exercise Kernel Usher 85-2 in mid-March 1985.
- * Provided a substantial contribution to the winning "Miss Cubi Point" contestant from the Cubi O' Club - wish we were there.
- * Cited by CO VF-126 as the best participant observed to date in FFARP conducted 1-24 April 85 - special emphasis on tactics doctrine and discipline, and F-14/E-2 integration.
- * Completed Hey Rube 1-85 with the highest percentage raid count and successful kill ratio achieved in the history of the exercise.
- * Hosted the only Many v Many off the year on 15 MAY 1985, endorsed by VX-4 as most meaningful and well executed.
- * Provided multi-sensor imagery for short notice aerial analysis of high explosive damage to superhardened missile site for the Defense Nuclear Agency in May 1985.
- * Always ready to participate as a "Standby," acquired 3 quotas to TOPGUN in FY85.
- * Recognized by TOPGUN for support of East Coast class members. Provided parts and aircraft to ensure all Navy training needs were met.

Enclosure (5)

- * Using the old "TARPS Audit" ploy, captured Mutha and treated both him and the entire squadron to the first 1985 Padres Businessman's Special.
- * Conducted an intensive low altitude awareness training program in preparation for International Red Flag 85-4, from 1-14 June.
- * Achieved 100 percent sortie completion rate, flying 84 Tactical sorties in Red Flag 85-4.
- * Completed 200 days FOD free 24 JUN 85, only 2 FODs in 13 months of Turnaround operations.
- * Supported Titan Comp U-2 Exercise 27 JUN.
- * Participated in CVW-2 Strike Week 13-19 JUL 85. Training included simulated CV-OPS, Strike Warfare planning, opposed day/night strike escort for Airwing A-6's, air refuel requalification an integration with Strike Warfare School.
- * Dedicated over 15 sorties to midshipman fam hops; helped by assisting the RTS maximize student "completes."
- * First fleet fighter squadron to use reserve aircrew in their training program (leading the way).
- * Volunteered public assistance to aid the victims of the Normal Heights fire disaster, garnered maximum media support and greatly enhanced the Navy image through both newspaper and T.V. coverage.
- * Only one DUI reported in Command since FEB 85, strong program to combat alcohol misuse and abusers.
- * Conducted a Williams AFB DET from 5-9 AUG 85 against USAF F-5 Fighter Weapons School.
- * Hosted the awesome Fifth Annual Bullet Blowout for professional advancement of Fighter Aviation and comraderie at NAS Miramar, with guest speaker Randy "Pogo" Clark highlighting Combat Survival and Evasion.
- * Conducted numerous squadron tours and aircraft static displays to school children, boyscout troops, and sea cadets.
- * Hosted film crew and conducted first F-14 static display for Tom Cruise in preparation for Paramount Movie production of "TOPGUN."
- * F-14 leaders in CVW-2 Carrier Operations, compiling 158 traps in 5 days. CO leads the way with 20 day and 18 night traps.
- * Without question, still the most colorful squadron^{at} NAS Miramar.

Enclosure (5)