



DEPARTMENT OF THE NAVY

FLEET COMPOSITE SQUADRON SIX

NAVAL AIR STATION

NORFOLK, VIRGINIA 23511-5594

IN REPLY REFER TO:

1991 ✓  
5750  
Ser 10/169

2 APR 1992

From: Commanding Officer, Fleet Composite Squadron SIX  
To: Director of Naval History (OP-09BH), Washington Navy Yard,  
Washington, DC 20374-0571

Subj: COMMAND HISTORY FOR CALENDAR YEAR 91

Ref: (a) OPNAVINST 5750.12E

Encl: (1) Fleet Composite Squadron SIX 1991 Command History  
(2) CDR E. C. Ferriter's Biography and Photograph  
(3) Operational Statistics for 1991  
(4) Squadron Information Pamphlet  
(5) UAV Significant Involvement in Desert Shield/Storm

1. Per reference (a), enclosures (1) through (5) are submitted.

*E. C. Ferriter*  
E. C. FERRITER

Copy to:  
CINCLANTFLT (Code J019)  
COMNAVAIRLANT (Code 013)  
COMHELTACWING ONE

*Legged*

## FLECOMPRON SIX COMMAND HISTORY

FOR CY-91

### 1. Command Composition and Organization

a. Mission: To provide remote control aerial and surface target services to units of the Atlantic Fleet. To provide Remotely Piloted Vehicle (RPV) tactical reconnaissance and surveillance services to units of the Atlantic and Pacific Fleets. To provide organizational and partial intermediate and depot level maintenance support, and to train personnel to maintain and operate assigned equipment.

b. ISIC: Commander, Helicopter Tactical Wing ONE.

c. Squadron Composition:

<u>UIC</u>	<u>TITLE</u>
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09806	- VC-6 Shore (NAS Norfolk, VA; NAB Little Creek, VA)
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32019	- VC-6 Sea Det component (NAB Little Creek, VA; FCTC Dam Neck, VA)
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30197	- VC-6 Det Dam Neck (FCTC Dam Neck, VA)
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55243	- VC-6 Sea Surveillance Det (NAS Patuxent River, MD)
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46550	- VC-6 Shore Surveillance Det (NAS Patuxent River, MD)
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d. Squadron Commander: Commander E. C. Ferriter, USN  
Biography and Photograph: (enclosure 2)

e. Squadron Personnel:

(1) Officers - 23

(2) Enlisted - 240

f. Headquarters location: Naval Air Station, Norfolk, Virginia.

g. Type and number of assets assigned:

(1) QST 33 - 8

(2) QST 35 - 8

(3) BQM 74 - 33

(4) DR-3 - 1

(5) Pioneer Remotely Piloted Vehicle (RPV) - 2 Systems (Ground control station, portable control station, five air vehicles, miscellaneous support equipment per system)

### 2. CHRONOLOGY

Jan: DET Bahrain - DET Bahrain established for forward logistic support for UAV systems operated by U.S. Forces in South West Asia.  
- First SCUD alert Desert Storm begins.  
- Begin regular surface transport service to ground units for repair/replacement components.  
- Successful overhaul of first UAV engine.

Enclosure (1)

Norfolk - Manufactured two engine air scoops for deck of QST-35 SEPTAR.  
- Manufactured two corner reflectors for use on QST-33.

Det L/C - BQM Ops (3 Jan).  
- Mayport Det departs (6 Jan).  
- ASU-8 GUNEX with USS CLIFTON SPRAGUE (FFG 16) (23 Jan).  
- DET DELTA departs for Guantanamo Bay, Cuba (24 Jan - 12 Feb).  
- DR-3 Ops at Fort Story (25 - 26 Jan).  
- Brief with the USS TRUETT (FF 1095) (28 Jan).  
- BQM Ops (29 Jan).  
- QST-33 Ops (DR-3) (30 Jan).

Det D/N - BQM-74C Ops North Mound VFA-136 (3 - 4 Jan).  
- Deployed USS MILLER (FF 1091) (9 - 20 Jan).  
- Open Ocean USS GETTYSBURG (CG 64) (29 Jan - 2 Feb).

Det PAX - Officers of RPV DET One and Two, (embarked on the USS WISCONSIN (BB 64) and USS MISSOURI (BB-63) respectively) met together with COMMIDEASTFORCE Staff in Bahrain Harbor to discuss UAV Ops in the Gulf, outline war support missions. (LCDR's [REDACTED], [REDACTED], [REDACTED], and LT [REDACTED]) (02 Jan).  
- USS MISSOURI (BB 63) dispatched to Northern Arabian Gulf, with RPV DET two embarked to provide surveillance of Iraqi mine laying activity. Mission conceived and planned by RPV DET One (WISCONSIN) (03 Jan).  
- OIC/MO attended Pioneer ILS Steering Committee Meeting (07-08 Jan).  
- Promulgated refined Arabian Gulf OPTASK RPV (10 Jan).  
- UAV DETS 1 and 2 deployed in Arabian Gulf on USS WISCONSIN (BB 64) and USS MISSOURI (BB 63) respectively.  
- Operations in support of Desert Shield/Storm (10 Jan).  
- Provided consolidated RPV capabilities msg to fleet users (20 Jan).  
- USS MISSOURI (BB 63) Offload. ENS [REDACTED], ATC [REDACTED], AT2 [REDACTED], AE2 [REDACTED], AK2 [REDACTED], ATAN [REDACTED], ATAA [REDACTED], AZAA [REDACTED] (21-29 Jan).

Feb: DET Bahrain - Last SCUD alert.

Norfolk - Two QST-33 Target Boats deployed to Persian Gulf to assist with Mine Counter Measures.  
- Installed Support Equipment Change on BQM-74 launchers to allow use of MK-117 JATO.

Det L/C - BQM Ops (DR-3) (05 Feb).  
- Mayport DET (06-25 Feb).  
- Five personnel depart in support of Desert Storm (14 Feb).  
- BQM Ops (DR-3) (28 Feb).

Det D/N - BQM-74C Ops North Mound Training (05 Feb).  
- Deployed Operations USS DEYO (DD 989) (17-22 Feb).  
- AQM-37C Ops Oceana CVW-6 (27 Feb).  
- BQM-74C Ops North Mound CVW-6.

Det Pax - First use of a UAV for NGFS spotting Iraqi prefabricated concrete command and control bunkers. The barrage totaled 18,000 pounds of high explosive (03 Feb).  
- UAV supported USS WISCONSIN in destroying 15 boats at KHAWR AL-MUFATTAH Marina (07 Feb).  
- UAV relayed pictures and NGFS coordinates of targets in support of a Marine Reconnaissance Probe into occupied Kuwait (08 Feb).

- First combat UAV dual OPS between USS WISCONSIN and USS MISSOURI (09 Feb).
- USS MISSOURI'S UAV support Desert Storm operations in which more than one million pounds of ordnance was fired against Iraqi shore sites (26 Feb).
- USS WISCONSIN's UAV detects suspected secret police boats fleeing Faylaka Island. Subsequently destroyed by Navy A-6 aircraft (27 Feb).

Mar: DET Bahrain - VC-6 personnel assisted with mission to retrieve downed Pioneer UAV on beach southern end of Kuwait City.

Maint - Began VC-6 Safety Gram "BEE Line".

- Industrial Hygiene Survey.
- BQM-74C manufactured for use by helicopters when practicing recovery of BQM-74C at sea.
- Performed Airframes Change, modification of 64 sets of MK-117 JATO Carriers.
- Manufactured curtains and table covers for building U-48 Rehab.

Det L/C - Mayport DET Deployed (04-10 Mar).

- BQM Ops (DR-3) (05 Mar).
- GITMO DET (08-24 Mar).
- Terrorist Ops (DR-3) (12 Mar).
- April Mayport DET (18-22 Mar).
- USS WISCONSIN (BB 64) Homecoming (DR-3) (28 Mar).

Det D/N - AQM-37C Ops Oceana CVW-6 (01 Mar).

- BQM-74C Ops North Mound Training (05 Mar).
- Deployed Ops Mayport Training (05 Mar).
- POD Flights for ITCS-VFC-12 (20 Mar).

Det Pax - Provided major UAV Tactics to Battleship TACMEMO (23 Mar).

- DET 1 returns to NAS Patuxent River, MD (28 Mar).
- First enemy soldier to surrender to an unmanned Aerial Vehicle (ROBOT) (RPV DET One-USS WISCONSIN). (01 Mar)
- Supported surveillance of the surrender of Faylaka is (1700EPOW) (As a result of 1 Mar action) (03 Mar).

Apr: DET Bahrain - DET Bahrain is closed, VC-6 Personnel return home.

Norfolk - Annual Safety Inspection.

- Manufactured Brow Skirt for DR-3 Harborfest 91.

Det L/C - Terrorist Ops (DR-3) (05 Apr).

- Mayport DET Departed (08 Apr).
- BQM Ops (DR-3) (09 Apr).
- GITMO DET (10-29 Apr).
- Terrorist Ops USS YORKTOWN (CG 48) (17 Apr).
- Terrosist Ops (DR-3) (19 Apr).
- BQM Ops (DR-3) (25 Apr).

Det D/N - BQM-74C Ops (2) North Mound Training (09 Apr).

- POD Flights for ITCS-VFC 12 (12 Apr).
- Static Display-Azalea Festival Air Show (19-21 Apr).
- BQM-74C Ops (2) North Mound CVW-6 (25 Apr).

Det Pax - OIC briefed UAV Joint Human Factors Group (23 Apr).

- OIC briefed PEOCMP and UAV, Washington, DC (25 Apr).
- VC-6 assist visit at Patuxent River. (30 Apr)

May: Norfolk

- Painted BQM-74C.
- Reworked four UAV launchers returned from deployment to Desert Storm.

Det L/C

- BQM Ops/Terrorist Ops (07 May).
- June Mayport DET (16-02).
- ASU-6 USS NASSAU (LHA 4) (22 May).
- Terrorist Ops (30 May).
- ASU-6 USS YORKTOWN (CG 48) (30 May).

Det D/N

- BQM-74C Ops North Mound (07 May).
- Deployed Ops USS KAISER (31 May-10 Jun).

Det Pax

- DET 2 returns to NAS Patuxent River, MD (06 May).
- Remainder of DET 2 returns (18 May).
- Commenced UAV training flights at Webster Field (21 May).
- Luncheon for Desert Storm Veterans (23 May).
- Air EXPO, Pax River. UAV Static Display (25 May).
- AMCI-all areas satisfactory (09 May).
- Maint Walk Stones (09 May).
- Quarterly VC-6 QA Audits. Satisfactory all areas. (09 May).

Jun: Norfolk

- Completed rehab of Airframes Work Center Spaces.
- Engineering Assist from VEGA for returning receivers on BQM-74C Remote Control Systems.
- Packed 31 parachutes and placed in service 33 float coats for UNITAS Detachment.
- AKC [REDACTED] relieved AKC [REDACTED] as Supply Division Chief.
- Packout for UNITAS Detachment on USS O'BANNON (DD 987).

Det L/C

- June GITMO DET (16-02 Jun).
- Harborfest (07-09 Jun).
- Terrorist Ops (09 Jun).
- ASU-6/8 USS MCCANDLESS (FF 1084) (10 Jun).
- ASU-6 USS GATES (CG-51).
- BQM Ops I/O CAP (19 Jun).
- Trimaran Ops USS BAINBRIDGE (CGN 25) (28 Jun).
- DR-3 Dependent Cruise (29 Jun).

Det D/N

- Static Display-Harborfest (06-10 Jun).
- BQM-74C Ops North Mound USS SIMPSON (FFG 56) (08 Jun).
- BQM-74C Ops North Mound USS PERRY (FFG 7) (08 Jun).
- BQM-74C Ops North Mound USS MAHAN (DDG 42) (09 Jun).
- AQM-37C Ops Oceana VMFA-251 (13 Jun).
- Deployed UNITAS XXXII USS O'BANNON (DD 987) (27Jun-13Dec).
- Helo Ops-FCDSSA Support (SH-60).

Det Pax

- OIC briefed COMHELTACWING ONE, post deploy next Dets 1 and 2 (04 Jun).
- Pioneer Training and Tech Working Group (Integrated Logistics Support) Meeting, Camarillo, CA (11-13 Jun).
- OIC briefed HELWINGSLANT, Jacksonville, FL (14 Jun).
- OIC briefed AIRLANT, Norfolk, VA (18 Jun).
- UAV Lessons Learned Conference sponsored by PEOCMP and UAV at MITRE Corp offices in Tysons Corner, VA (20-21 Jun).
- OIC briefed PEOCMP and UAV, ADM Wagner, CO and XO attended (24 Jun).
- OIC briefed OP-07 (27 Jun).
- OIC briefed Joint Staff (27 Jun).
- OIC briefed Secretary of Defense (28 Jun).
- OIC briefed Vice CNO (28 Jun).

Jul: Norfolk

- Designed and built engine box for YJ-400-WR-403 to provide a lighter, compact, watertight container for the BQM-74 engines.
- Five new BQM-74C received from NORTHROP.
- Packout for Camp Lejeune Det, two 48 ft flat bed trucks.
- Change of Command, CDR Ferriter relieves CDR Fox (12 Jul).

Det L/C

- Terrorist Ops (9 Jul).
- Terrorist Ops BQM Ops I/O CAP (15 Jul).
- GITMO DET (17-12 Jul).
- Mine Division 126, 1 hour tour (20 Jul).
- Terrorist Ops (23 Jul).
- BQM Ops I/O CAP (25 Jul).

Det D/N

- Static Display Newport News Airport (3-5 Jul).
- BQM-74C Ops North Mound Training (15 Jul).
- BQM-74C Ops North Mound Training (25 Jul).
- Deployed Camp Lejeune CG Second MAW (26 Jul-4 Aug).

Det Pax

- Helo OPS-FCDSSA Support (SH-60) (ALL).
- LCDR Wylder (OPS Officer) designated UAV Chief Test Pilot (1 Jul).
- VC-6 Change of Command Ceremony, Norfolk, VA. Entire Det attended (12 Jul).
- PMTC Publications Review Conference. Attended by AMS1 [REDACTED], AT2 [REDACTED], and AT2 [REDACTED]. (15 Jul-2 Aug)
- USS WISCONSIN (BB-64) offload planning meeting, Norfolk, VA. Attended by OIC, Maintenance Officer, and AS1 [REDACTED]. (23 Jul)
- Removal of UAV System from USS WISCONSIN (BB-64) (29 Jul-9 Aug).

Aug: Maint

- Overhaul Large Sheet Metal Sheers in Airframes Shop.
- Assisted First Lieutenant Division in remodeling of Squadron Quarterdeck area.
- USS WISCONSIN (BB-64) UAV Equipment offloaded for temp storage at Norfolk.
- Packout for Souda Bay, Crete DET.
- Received three new BQM-74C Targets.
- Building U-58 Larceny, Computers, Programs, tools stolen.

Det L/C

- ASU-8 USS CARON (DD-970) (12 Aug).
- Mayport DET (14-30 Aug).
- CFW-1 Misslex BQM Ops I/O CAP (15 Aug).
- ISST Sinkex USS EISENHOWER (CVN-69) (16 Aug).
- CVW-1 ISST Ops BQM Ops I/O CAP (24 Aug).
- BQM Ops I/O CAP (25 Aug).
- Terrorist Ops (28 Aug).

Det D/N

- Deployed Souda Bay Crete AQM-37 Ops (1-10 Aug).
- CHTW-1 Change of Command (22 Aug).
- POD Flights for ITCS VFC-12 (22 Aug).
- BQM-74C Ops North Mound CVW-1 (25 Aug).
- Deployed Souda Bay Crete BQM-74C Ops (26 Aug- 6 Sep).

Det Pax

- Operations Officer briefed CO, NESEA on UAV Ops at Webster Field and Electromagnetic Engineering Data. (09 Aug).
- VC-6 CO and XO visit DET Pax (13-14 Aug).
- Commenced half scale and Mig training for External UAV Pilots (19 Aug).
- Communications Symposium attended by LCDR [REDACTED] and AZ1 [REDACTED] (22 Aug).

- Commander HELTACWING ONE Change of Command. UAV Static display (22-23 Aug).

- Visit by 60 persons from NAVAIR to Webster Field to observe UAV flight operations (27 Aug).

Sep: Maint

- Packed first BQM-74E Parachute for Publications Review.

- CHTW-1 Semi-Annual Corrosion Inspection.

- Manufactured radiator covers for bldg U-48.

Det L/C

- GITMO DET (04-22 Sep).

- Gun Shoot CDG-8 (20 Sep).

- BQM Ops I/O Cap (24 Sep).

- BQM Ops I/O Cap (25 Sep).

- Terrorist Ops (26 Sep).

- BQM Ops I/O Cap (30 Sep).

- ISTT Sinkex VA-75 (30 Sep).

Det D/N

- NATSF QA BQM-74E MRC Verification (07-10 Sep).

- CHTW-1 Corrosion Inspection (07-10 Sep).

- Static Display-Neptune Festival Air Show (20-22 Sep).

- BQM-74C Ops (2) North Mound CFW-1 (24 Sep).

- BQM-74C Ops (2) North Mound CFW-1 (25 Sep).

- BQM-74C Ops North Mound CVW-1 (30 Sep).

Det Pax

- OIC briefed a group of 100 persons at Naval Air Development Center, Warminster, PA. (04 Sep).

- PMA 263D, Major [REDACTED] visited Webster Field to observe UAV flight Ops (05 Sep).

- VC-6 UAV Det Pax Safety Standdown (06 Sep).

- PMA 263D2, LCDR [REDACTED] visited Webster Field to observe UAV flight Ops (11 Sep).

- CPO initiation for ATC [REDACTED] and ATC [REDACTED]. Attended by VC-6 CO and OIC and all Det Chiefs (17 Sep).

- Ombudsman appreciation luncheon honoring Mrs. Glenda Mcnew, DET PAX Ombudsman. OIC presented her with a Letter of Appreciation and a plaque (19 Sept).

- Televideo Conference with VC-6 CO and squadron Department Heads (23 Sep).

- VC-6 UAV DET hosted the MUAV Manpower. Personnel, and Training Working Group at NAS Patuxent River, MD (24-25 Sep).

Oct: Maint

- Overhauled QST-35 Fuel Tank.

- Reviewed proposed specifications for a new, high tech shipping container for VEGA antenna.

- Placed in service 35 float coats for DET PAX.

- Four QST-33's deployed to Palmetto Point, NC for remote control target operations.

- Reworked the wheel assemblies on five QST-33 trailers.

- Maintenance Control established as separate entity from Production Control in Boat Shop.

Det L/C

- Terrorist Ops (07 Oct).

- Launched a BQM-74C from the DR-3 (23 Oct).

- Palmetto Point Detachment (11-19 Oct).

- Nov Gitmo DET (16Oct-03Nov).

- Two SEPTARS went to Moorehead City, NC (19-25 Oct).

- Onslow Bay Ops (19-25 Oct).

- Mayport DET (25-30 Oct).

Det D/N

- NATSF QA BQM-74E Tech Pubs Verification (22 Oct).

- FLECOMPRON SIX DET Dam Neck Change of Charge (22 Oct).

- BQM-74C Ops North Mound Training (23 Oct).

- POD Flights for ITCS VFC-12 (31 Oct).

Det Pax

- NSWC Dahlgren visit to Webster Field to observe UAV flight Ops (01 Oct).
- OIC calls for UAV DET personnel (02-04 Oct).
- Commenced night pattern work at Webster Field (03 Oct).
- Naval Air Development Center Automatic Target Recognition Group visit to UAV DET PAX. Reviewed Desert Storm Mission Tapes (10 Oct).
- UAV Static Display at Trenton, NJ (11 Oct).
- Over the Horizon Targeting (OTH-T) Joint Program Office visit to Webster Field to observe UAV flight Ops (15 Oct).
- USS MISSOURI (BB 63) Pre-Cruise planning meeting in Long Beach, CA (30 Oct).

Nov: Maint

- Rehab squadron Logo Plaque for Bldg U-48.
- Manufactured Squadron Display Board for Air Shows.
- Placed in service 22 parachutes in five days for three detachments; Persian Gulf, Camp Lejeune, Souda Bay, Crete which had to be packed out simultaneously.
- Painted three QST-33 SEPTAR's.
- Installed fresh water washdown systems for brakes on all QST-33 trailers.

Det L/C

- SAR Swimmer support HC-8 (13 Nov).
- BQM Ops I/O CAP (14 Nov).
- Gitmo DET (14-24 Nov).
- BQM Ops I/O CAP (19 Nov).
- Dec Mayport DET (29 Nov-15 Dec).

Det D/N

- Static Display-Urbanna Oyster Festival (01-02 Nov).
- BQM-74C Ops-DR-3 Training (14 Nov).
- BQM-74C Ops North Mound Training (19 Nov).

Det Pax

- Advance party to USS MISSOURI (BB 63) for December Cruise (11 Nov).
- New COMHELTACWING ONE, CAPT Lackey visited UAV DET PAX (12 Nov).
- UAV DET 1 to Daphne Island, Alabama near mouth of Mobile Bay for MIUW Coordinated Operations. UAV 105 was lost in the water and later recovered (13-18 Nov).
- UAV DET 2 to USS MISSOURI (BB 63) for at sea operations (26 Nov).
- USS MISSOURI (BB 63) departs Long Beach, CA for transit to Pearl Harbor, Hawaii (29 Nov).

Dec: Maint

- Completed Display BQM-74C for Air Museum in Pensacola, FL
- Repaired numerous fiberglass parachute liners for BQM-74C.
- Transferred QST-33 TB815 to NATC Patuxent River.
- Utilized self-help program to install locker area in Boat Shop.
- USS WISCONSIN (BB 64) UAV Equipment Transported to DET PAX, three 48ft flat bed trucks.
- Packout of Souda Bay, Crete DET, BQM-74.
- Packout of Persian Gulf DET, BQM-74.
- Packing of UNITAS DET.
- Load aboard DR-3 for BQM-74 Ops in support of NATC.

Det L/C

- Terrorist Ops (02 Dec).
- Terrorist Ops PHIBRON 8 (02 Dec).
- ASU-8 COMGRUDESGRU (06 Dec).
- BQM Ops I/O CAP (12 Dec).
- BQM Ops W/PAX (16 Dec).
- BQM Ops W/PAX (17 Dec).
- BQM Ops I/O CAP (17 Dec).



- PAX Ops (19 Dec).
  - PAX Ops (20 Dec).
- Det D/N
- POD Flights for ITCS VFC-12 (05 Dec).
  - BQM-74C Ops North Mound Training (12 Dec).
  - UNITAS XXXII Returned to VC-6 (13 Dec).
  - BQM-74C Ops North Mound CFW-1 (17 Dec).
  - BQM-74C Ops North Mound/DR-3 NATC (20 Dec).
- Det Pax
- UAV DET 2 conducts UAV flight operations at sea (01-04 Dec).
  - UAV DET 2 participates in solemn ceremonies commemorating America's entry into World War II at Pearl Harbor, HI. Duties aboard USS MISSOURI (BB 63) included UAV Static Display, and Honor Guard for VIP hosting (05-06 Dec).
  - Reviewed Desert Storm/Shield UAV Data Base with survival Contractor (05-06 Dec).
  - UAV DET 2 conducts UAV flight operations from USS MISSOURI (BB 63) during transit from Pearl Harbor, HI to Seal Beach, CA (09-16 Dec).

### 3. Narrative:

In 1991, VC-6 experienced the greatest expansion of its operations in squadron history. VC-6 deployed four separate detachments to the Middle East in support of Operations DESERT SHIELD/DESERT STORM. Two UAV detachments deployed aboard two battleships in the Persian Gulf, while a third detachment helped establish a joint in-theater UAV intermediate maintenance facility in Bahrain which maintained UAV's from all services. A fourth detachment supported the fleet's Mine Countermeasures (MCM) capability with a VC-6 QST-33 Seaborne Powered Target (SEPTAR) detachment embarked aboard USS TRIPOLI (LPH-10) and USS NEW ORLEANS (LPH-11).

VC-6 Pioneer UAV's played a crucial role in support of battleship combat operations throughout Operations DESERT SHIELD and DESERT STORM. VC-6 Detachment ONE deployed with the battleship USS WISCONSIN (BB-64) and Detachment TWO deployed with USS MISSOURI (BB-63). The UAV's unique capabilities were exceptionally valuable in reconnaissance and gunfire support operations. Pioneer's infrared camera proved particularly adept at locating enemy contacts of interest. Manned and supported at a level intended to support only one surveillance flight every other day, VC-6 UAV detachments flew three to four flights daily and provided extensive coverage for Battle Group Commanders, NAVCENT and USCENTCOM. UAV's detected Silkworm ASM sites, AAA batteries, artillery, ammunition bunkers, patrol boats, radar facilities, tank battalions, logistics sites and command posts. Real-time imagery provided by VC-6 was directly responsible for the pin point accuracy of 1,224 rounds of sixteen inch gunfire directed at enemy positions in southeastern Kuwait. An on-station UAV over Faylaka Island linked video imagery of Iraqi soldiers waving white flags, recording the first ever surrender of enemy forces to an unmanned vehicle. This imagery was one of the Navy's best war media events. It was shown on worldwide TV and frames were printed throughout the international press.

The VC-6 BQM-74C Detachment to UNITAS XXXII continued a long standing tradition of service to U.S. and South American Navies. Embarked on board USS O'BANNON (DD-997), the detachment successfully completed a record 21 launches and 20 missions. Highlights in efficiency included the first ever two flight day for a single aerial target and one particular BQM-74 flew an unprecedented 14 flights and stands by for further tasking.

During 1991, VC-6 was transformed from a service organization to a vital operational combat unit. In the Persian Gulf, VC-6 played an indispensable role in the Allied success in Operation DESERT STORM and verified the importance of the UAV in any foreseeable conflict. Squadron accomplishments were briefed to the highest levels of DOD including the Secretary of Defense and received world acclaim through international media coverage. At home, VC-6 met all commitments despite the large number of assets and personnel deployed to DESERT STORM. BQM sorties, for example, increased 17 percent over CY 1990. Through disciplined professionalism and a commitment to performance, the "Firebees" thrived during the most challenging period of squadron history. VC-6 excelled under all conditions.

# OPERATIONS STATISTICS FOR JANUARY 1991

<u>BQM-74C</u>	<u>JAN 91</u> <u>NUMBER</u>	<u>FY91</u> <u>NUMBER</u>	<u>FY90</u> <u>NUMBER</u>
LAUNCHES	6.0	31.0	48.0
SAT LAUNCHES	5.0	25.0	43.0
SAT MSNS	4.0	23.0	41.0
RECOVERIES	2.0	18.0	38.0
OP LOSSES	3.0	6.0	5.0
HIT & KILL	1.0	7.0	5.0
OP HOURS	3.8	16.7	29.3

## QST-35

LAUNCHES	6.0	74.0	197.0
SAT MSNS	6.0	70.0	172.0
OP HOURS	21.7	382.3	662.0

## QST-33

LAUNCHES	5.0	42.0	44.0
SAT NSNS	5.0	42.0	37.0
OP HOURS	4.9	160.6	116.0

## DR-3

LAUNCHES	7.0	11.0	38.0
OP HOURS	39.2	65.5	276.5

## RPV

LAUNCHES	0.0	3.0	78.0
OP HOURS	0.0	1.0	95.0
LAUNCHES AFLOAT	4.0	114.0	44.0
OP HOURS	10.6	400.5	259.7
TOTAL LAUNCHES	4.0	118.0	122.0
TOTAL OP HOURS	10.6	401.5	355.6

OPERATIONS STATISTICS FOR FEBRUARY 1991

<u>BQM-74C</u>	<u>FEB 91 NUMBER</u>	<u>FY91 NUMBER</u>	<u>FY90 NUMBER</u>
LAUNCHES	5.0	36.0	48.0
SAT LAUNCHES	5.0	30.0	43.8
SAT MSNS	5.0	28.0	41.0
RECOVERIES	2.0	20.0	38.0
OP LOSSES	1.0	7.0	5.0
HIT & KILL	2.0	9.0	5.0
OP HOURS	2.7	19.4	29.3
 <u>AQM-37</u>			
LAUNCHES	2.0	2.0	0.0
 <u>QST-35</u>			
LAUNCHES	20.0	94.0	197.0
SAT MSNS	18.0	88.0	172.0
OP HOURS	64.5	447.8	662.0
 <u>QST-33</u>			
LAUNCHES	7.0	49.0	44.0
SAT NSNS	5.0	42.0	37.0
OP HOURS	10.3	170.9	116.9
 <u>DR-3</u>			
LAUNCHES	2.0	13.0	38.0
OP HOURS	11.5	77.0	276.5
 <u>RPV</u>			
LAUNCHES	0.0	3.0	78.0
OP HOURS	0.0	1.0	95.9
LAUNCHES AFLOAT	49.0	106.0	44.0
OP HOURS	177.1	375.9	259.7
TOTAL LAUNCHES	52.0	110.0	122.0
TOTAL OP HOURS	177.1	376.9	355.6

# OPERATIONS STATISTICS FOR MARCH 1991

<u>BQM-74C</u>	<u>MAR 91</u> <u>NUMBER</u>	<u>FY91</u> <u>NUMBER</u>	<u>FY90</u> <u>NUMBER</u>
LAUNCHES	2.0	38.0	48.0
SAT LAUNCHES	2.0	32.0	43.8
SAT MSNS	2.0	30.0	41.0
RECOVERIES	1.0	21.0	38.0
OP LOSSES	1.0	8.0	5.0
HIT & KILL	0.0	9.0	5.0
OP HOURS	1.0	20.4	29.3
 <u>AQM-37</u>			
LAUNCHES	2.0	2.0	0.0
 <u>QST-35</u>			
LAUNCHES	21.0	115.0	197.0
SAT MSNS	19.0	107.0	172.0
OP HOURS	58.0	505.8	662.0
 <u>QST-33</u>			
LAUNCHES	8.0	57.0	44.0
SAT NSNS	8.0	57.0	37.0
OP HOURS	21.1	192.0	116.9
 <u>DR-3</u>			
LAUNCHES	6.0	19.0	38.0
OP HOURS	26.2	103.2	276.5
 <u>RPV</u>			
LAUNCHES	0.0	3.0	78.0
OP HOURS	0.0	1.0	95.9
LAUNCHES AFLOAT	4.0	110.0	44.0
OP HOURS	14.0	389.9	259.7
TOTAL LAUNCHES	4.0	114.0	122.0
TOTAL OP HOURS	14.0	390.9	355.6

# OPERATIONS STATISTICS FOR APRIL 1991

<u>BQM-74C</u>	<u>APR 91</u> <u>NUMBER</u>	<u>FY91</u> <u>NUMBER</u>	<u>FY90</u> <u>NUMBER</u>
LAUNCHES	4.0	42.0	48.0
SAT LAUNCHES	4.0	36.0	43.8
SAT MSNS	4.0	34.0	41.0
RECOVERIES	1.0	22.0	38.0
OP LOSSES	1.0	9.0	5.0
HIT & KILL	2.0	11.0	5.0
OP HOURS	1.6	22.0	29.3
 <u>AQM-37</u>			
LAUNCHES	0.0	2.0	0.0
 <u>QST-35</u>			
LAUNCHES	17.0	132.0	197.0
SAT MSNS	17.0	124.0	172.0
OP HOURS	68.9	574.7	662.0
 <u>QST-33</u>			
LAUNCHES	8.0	65.0	44.0
SAT NSNS	6.0	63.0	37.0
OP HOURS	23.3	215.3	116.9
 <u>DR-3</u>			
LAUNCHES	6.0	25.0	38.0
OP HOURS	26.9	130.1	276.5
 <u>RPV</u>			
LAUNCHES	0.0	3.0	78.0
OP HOURS	0.0	1.0	95.9
LAUNCHES AFLOAT	4.0	114.0	44.0
OP HOURS	10.6	400.5	259.7
TOTAL LAUNCHES	4.0	118.0	122.0
TOTAL OP HOURS	10.6	401.5	355.6

# OPERATIONS STATISTICS FOR MAY 1991

<u>BQM-74C</u>	<u>MAY 91 NUMBER</u>	<u>FY91 NUMBER</u>	<u>FY90 NUMBER</u>
LAUNCHES	1.0	43.0	48.0
SAT LAUNCHES	1.0	37.0	43.8
SAT MSNS	1.0	35.0	41.0
RECOVERIES	0.0	22.0	38.0
OP LOSSES	0.0	9.0	5.0
HIT & KILL	1.0	12.0	5.0
OP HOURS	0.3	22.3	29.3
<u>AQM-37</u>			
LAUNCHES	0.0	2.0	0.0
<u>QST-35</u>			
LAUNCHES	16.0	148.0	197.0
SAT MSNS	12.0	136.0	172.0
OP HOURS	44.7	619.4	662.0
<u>QST-33</u>			
LAUNCHES	13.0	78.0	44.0
SAT MSNS	12.0	75.0	37.0
OP HOURS	28.4	243.7	116.9
<u>DR-3</u>			
LAUNCHES	6.0	31.0	38.0
OP HOURS	32.5	162.6	276.5
<u>RPV</u>			
LAUNCHES	1.0	4.0	78.0
OP HOURS	1.8	2.8	95.9
LAUNCHES AFLOAT	0.0	114.0	44.0
OP HOURS	0.0	400.5	259.7
TOTAL LAUNCHES	1.0	119.0	122.0
TOTAL OP HOURS	1.8	402.3	355.6



# OPERATIONS STATISTICS FOR JUNE 1991

<u>BQM-74C</u>	<u>JUN 91</u> <u>NUMBER</u>	<u>FY91</u> <u>NUMBER</u>	<u>FY90</u> <u>NUMBER</u>
LAUNCHES	3.0	46.0	48.0
SAT LAUNCHES	3.0	40.0	43.8
SAT MSNS	3.0	38.0	41.0
RECOVERIES	3.0	25.0	38.0
OP LOSSES	0.0	9.0	5.0
HIT & KILL	0.0	12.0	5.0
OP HOURS	1.0	23.3	29.3
 <u>AQM-37</u>			
LAUNCHES	1.0	3.0	0.0
 <u>QST-35</u>			
LAUNCHES	22.0	170.0	197.0
SAT MSNS	21.0	157.0	172.0
OP HOURS	85.1	704.8	662.9
 <u>QST-33</u>			
LAUNCHES	9.0	87.0	44.0
SAT MSNS	8.0	83.0	37.0
OP HOURS	61.1	304.8	116.9
 <u>DR-3</u>			
LAUNCHES	6.0	31.0	38.0
OP HOURS	37.5	200.1	276.5
 <u>RPV</u>			
LAUNCHES	3.0	7.0	78.0
OP HOURS	3.1	5.9	95.9
LAUNCHES AFLOAT	0.0	114.0	44.0
OP HOURS	0.0	400.5	259.7
TOTAL LAUNCHES	3.0	122.0	122.0
TOTAL OP HOURS	3.1	405.4	355.6

# OPERATIONS STATISTICS FOR JULY 1991

<u>BQM-74C</u>	<u>JUL 91 NUMBER</u>	<u>FY91 NUMBER</u>	<u>FY90 NUMBER</u>
LAUNCHES	11.0	57.0	48.0
SAT LAUNCHES	11.0	51.0	43.0
SAT MSNS	8.0	46.0	41.0
RECOVERIES	8.0	33.0	38.0
OP LOSSES	0.0	9.0	5.0
HIT & KILL	3.0	15.0	5.0
OP HOURS	6.3	29.0	29.0
 <u>AQM-37</u>			
LAUNCHES	0.0	3.0	4.0
 <u>QST-35</u>			
LAUNCHES	16.0	186.0	197.0
SAT MSNS	16.0	173.0	172.0
OP HOURS	63.6	768.1	662.0
 <u>QST-33</u>			
LAUNCHES	6.0	93.0	44.0
SAT MSNS	5.0	88.0	37.0
OP HOURS	19.8	324.1	116.9
 <u>DR-3</u>			
LAUNCHES	2.0	33.0	38.0
OP HOURS	5.0	205.0	276.5
 <u>RPV</u>			
LAUNCHES	1.0	8.0	78.0
OP HOURS	1.7	7.4	95.2
LAUNCHES AFLOAT	0.0	114.0	44.0
OP HOURS	0.0	400.0	259.7
TOTAL LAUNCHES	1.0	123.0	122.0
TOTAL OP HOURS	1.7	407.4	356.6

# OPERATIONS STATISTICS FOR AUGUST 1991

<u>BQM-74C</u>	<u>AUG 91 NUMBER</u>	<u>FY91 NUMBER</u>	<u>FY90 NUMBER</u>
LAUNCHES	11.0	68.0	48.0
SAT LAUNCHES	11.0	62.0	43.8
SAT MSNS	11.0	57.0	41.0
RECOVERIES	11.0	44.0	38.0
OP LOSSES	0.0	09.0	5.0
HIT & KILL	0.0	15.0	5.0
OP HOURS	5.0	34.6	29.3
 <u>AQM-37</u>			
LAUNCHES	1.0	4.0	0.0
 <u>QST-35</u>			
LAUNCHES	17.0	203.0	197.0
SAT MSNS	16.0	104.0	172.0
OP HOURS	26.3	350.4	116.9
 <u>QST-33</u>			
LAUNCHES	16.0	109.0	44.0
SAT MSNS	16.0	104.0	37.0
OP HOURS	26.3	350.4	116.9
 <u>DR-3</u>			
LAUNCHES	6.0	39.0	38.0
OP HOURS	61.0	266.1	276.5
 <u>RPV</u>			
LAUNCHES	9.0	17.0	78.0
OP HOURS	13.5	21.1	95.9
LAUNCHES AFLOAT	0.0	114.0	44.0
OP HOURS	0.0	400.5	259.7
TOTAL LAUNCHES	9.0	123.0	122.0
TOTAL OP HOURS	13.5	407.6	355.6

OPERATIONS STATISTICS FOR SEPTEMBER 1991

<u>BQM-74C</u>	<u>SEP 91</u> <u>NUMBER</u>	<u>FY91</u> <u>NUMBER</u>	<u>FY90</u> <u>NUMBER</u>
LAUNCHES	9.0	77.0	48.0
SAT LAUNCHES	9.0	71.0	43.8
SAT MSNS	8.0	65.0	41.0
RECOVERIES	5.0	49.0	38.0
OP LOSSES	1.0	10.0	5.0
HIT & KILL	3.0	18.0	5.0
OP HOURS	5.1	39.7	29.3
 <u>AQM-37</u>			
LAUNCHES	0.0	4.0	0.0
 <u>QST-35</u>			
LAUNCHES	22.0	224.0	197.0
SAT MSNS	22.0	212.0	172.0
OP HOURS	120.8	933.8	662.0
 <u>QST-33</u>			
LAUNCHES	1.0	110.0	44.0
SAT MSNS	1.0	105.0	37.0
OP HOURS	1.7	352.1	116.9
 <u>DR-3</u>			
LAUNCHES	11.0	50.0	38.0
OP HOURS	43.0	309.1	276.5
 <u>RPV</u>			
LAUNCHES	7.0	24.0	78.0
OP HOURS	16.2	37.2	95.9
LAUNCHES AFLOAT	0.0	114.0	44.0
OP HOURS	0.0	400.5	259.7
TOTAL LAUNCHES	7.0	162.0	122.0
TOTAL OP HOURS	16.2	499.3	355.6

OPERATIONS STATISTICS FOR OCTOBER 1991

<u>BQM-74C</u>	<u>OCT 91 NUMBER</u>	<u>FY91 NUMBER</u>	<u>FY90 NUMBER</u>
LAUNCHES	6.0	6.0	77.0
SAT LAUNCHES	6.0	6.0	71.8
SAT MSNS	6.0	6.0	65.0
RECOVERIES	6.0	6.0	49.0
OP LOSSES	0.0	0.0	10.0
HIT & KILL	0.0	0.0	18.0
ADMINISTRATIVE	1.0	1.0	0.0
OP HOURS	3.3	3.3	39.7
<u>AQM-37</u>			
LAUNCHES	0.0	0.0	4.0
<u>OST-35</u>			
LAUNCHES	15.0	15.0	224.0
SAT MSNS	15.0	15.0	212.0
OP HOURS	181.3	181.3	933.8
<u>OST-33</u>			
LAUNCHES	9.0	9.0	110.0
SAT MSNS	9.0	9.0	105.0
OP HOURS	41.8	41.8	352.1
<u>DR-3</u>			
LAUNCHES	8.0	8.0	50.0
OP HOURS	20.0	20.0	309.1
<u>RPV</u>			
LAUNCHES	5.0	5.0	24.0
OP HOURS	17.1	17.2	37.2
LAUNCHES AFLOAT	0.0	0.0	144.0
OP HOURS	0.0	0.0	400.5
TOTAL LAUNCHES	5.0	5.0	162.0
TOTAL OP HOURS	17.1	17.1	499.3

# OPERATIONS STATISTICS FOR NOVEMBER 1991

<u>BQM-74C</u>	<u>DEC 91</u> <u>NUMBER</u>	<u>FY92</u> <u>NUMBER</u>	<u>FY91</u> <u>NUMBER</u>
LAUNCHES	7.0	13.0	77.0
SAT LAUNCHES	7.0	13.0	71.0
SAT MSNS	7.0	13.0	65.0
RECOVERIES	7.0	13.0	49.0
OP LOSSES	0.0	0.0	10.0
HIT & KILL	0.0	0.0	18.0
ADMINISTRATIVE	0.1	1.0	0.0
OP HOURS	3.3	6.8	6.9
<u>AQM-37</u>			
LAUNCHES	0.0	0.0	4.0
<u>QST-35</u>			
LAUNCHES	27.0	42.0	224.0
SAT MSNS	27.0	42.0	212.0
OP HOURS	94.2	275.5	933.8
<u>QST-33</u>			
LAUNCHES	2.0	11.0	110.0
SAT MSNS	1.0	10.0	105.0
OP HOURS	5.7	47.5	352.1
<u>DR-3</u>			
LAUNCHES	6.0	14.0	50.0
OP HOURS	30.0	50.0	309.1
<u>RPV</u>			
LAUNCHES	2.0	7.0	24.0
OP HOURS	2.3	19.4	37.2
LAUNCHES AFLOAT	0.0	0.0	114.0
OP HOURS	0.0	0.0	400.7
TOTAL LAUNCHES	2.0	7.0	162.0
TOTAL OP HOURS	2.3	19.4	499.3

OPERATIONS STATISTICS FOR DECEMBER 1991

<u>BQM-74C</u>	<u>DEC 91 NUMBER</u>	<u>FY92 NUMBER</u>	<u>FY91 NUMBER</u>
LAUNCHES	5.0	18.0	77.0
SAT LAUNCHES	4.0	17.0	71.0
SAT MSNS	4.0	17.0	65.0
RECOVERIES	4.0	17.0	49.0
OP LOSSES	1.0	1.0	10.0
HIT & KILL	0.0	0.0	18.0
ADMINISTRATIVE	0.0	1.0	0.0
OP HOURS	2.9	9.7	6.9
 <u>AQM-37</u>			
LAUNCHES	0.0	0.0	4.0
 <u>QST-35</u>			
LAUNCHES	18.0	60.0	224.0
SAT MSNS	14.0	56.0	212.0
OP HOURS	62.6	338.1	933.8
 <u>QST-33</u>			
LAUNCHES	4.0	15.0	110.0
SAT MSNS	4.0	56.0	105.0
OP HOURS	15.3	62.8	352.1
 <u>DR-3</u>			
LAUNCHES	6.0	20.0	50.0
OP HOURS	21.5	71.5	309.1
 <u>RPV</u>			
LAUNCHES	0.0	7.0	24.0
OP HOURS	0.0	19.4	37.2
LAUNCHES AFLOAT	5.0	5.0	114.0
OP HOURS	11.8	11.8	400.7
TOTAL LAUNCHES	5.0	12.0	162.0
TOTAL OP HOURS	11.8	31.2	499.3

X FILES  
-ops  
-MISSILES/DRONES

**UAV SIGNIFICANT INVOLVEMENT IN DESERT SHIELD/STORM**

VC-6 Pioneer Unmanned Air Vehicle's (UAV) played a critical role in support of battleship combat operations throughout Operations Desert Shield and Desert Storm. VC-6 Detachment Patuxent River was formed into two sub detachments during the Gulf War. Detachment ONE deployed with USS WISCONSIN (BB-64) and Detachment TWO deployed with USS MISSOURI (BB-63). Manned and supported at a level intended to support only one surveillance flight every other day, the detachments flew three to four flights daily during the war to provide real time intelligence, target acquisition, identification, gunfire spotting, and real time Battle Damage Assessment (BDA) which would have been impossible in the heavy AAA environment with manned aircraft. The UAV not only provided targeting information, but vital intelligence necessary to determine when to hold, cease or continue fire. The result was greater tactical flexibility and management of available ammunition. For example, when a single shot from USS MISSOURI hit an ammunition bunker and caused multiple secondary explosions, real time BDA showed that no further rounds were required on that target. Another target was selected. In all, 1,224 rounds were directed at enemy positions in southeastern Kuwait with deadly effectiveness. On its most crucial mission, a UAV detected a major Iraqi armor movement heading south toward U.S. Marine positions. The information was passed to USCENTCOM which diverted a formation of attack aircraft already in flight to destroy the enemy tanks. Other mission successes included a Silkworm missile site which was identified by a UAV as a decoy, allowing for critical U.S. assets to be directed elsewhere. An onstation UAV over Faylaka Island photographed Iraqi soldiers waving white flags, dramatically recording the first ever surrender of enemy forces to an unmanned vehicle. This imagery was one of the Navy's most memorable media events. Footage was shown on worldwide TV and frames were printed throughout the international press.

On 2 August 1990, USS WISCONSIN (BB-64) departed Norfolk on MED 3-90 Deployment with FLECOMPRON SIX UAV Detachment ONE, Patuxent River, MD, embarked. While enroute, USS WISCONSIN was ordered to proceed at flank speed to the Arabian Gulf to complement maritime interdiction forces in support of Operation Desert Shield.

Training flights conducted enroute provided vital SSC reconnaissance for the Maritime Interdiction Force, as well as the opportunity for the rapid qualification of Mission Commanders, Crew Chiefs, Internal Pilots, and External Pilots.

Throughout the first five months on station in the Central Arabian Gulf, WISCONSIN's UAV Detachment was involved in detailed planning and liaison efforts, both ashore and afloat, which would

Enclosure (5)

VC-6

1991 C.H.R.



put together the procedures and plans to support naval operations during hostilities. Extensive operational guidance documents were prepared such as OPTASK RPV and RPV Concept of Operations. Mission plans (island raids, missile site and oil field RECCE), and RPV frequency plans for six theater UAV units were developed. Putting these procedures to immediate practice, training pilots, operators and maintainers, the detachment honed its skills on a daily basis. Experience gained during Desert Shield refined proven UAV capabilities and operating procedures.

FLECOMPRON SIX UAV Det TWO deployed on USS MISSOURI (BB-63), 13 November 1990 for operations in support of Operation Desert Shield, flying their first Gulf mission on 2 January 1991.

During Operation Desert Storm, which began 16 January 1992, the night reconnaissance capability of the UAV was used to great effect in locating targets and tracking enemy movement. UAV's conducted surveillance of the Kuwait coast and interior, Kuwait City, Faylaka, Awhah, Miskan and Bubiyan Islands providing invaluable intelligence for planning the follow on ground offensive and amphibious raids and operations.

The UAV provided Naval Gunfire Support (NGFS) spotting correction and Battle Damage Assessment (BDA) at the Khawr Al-Mufattah marina near Al-Khiran, Kuwait. Piers and small boats used by enemy special forces were destroyed. The UAV was instrumental in discovering and supporting fire missions against Iraqi artillery batteries and communications and command posts. The UAV loitered over suspect enemy positions for hours unobserved. Numerous reconnaissance flights over southeast Kuwait were conducted, providing valuable intelligence to Naval, Marine Corps and coalition forces.

Once the ground offensive began, on 23 February 1991, the UAV detachments flew nearly continuous missions in support of advancing coalition troops. DET Two provided real time NGFS for the destruction of Iraqi targets on Faylaka Island and Kuwait.

DET ONE detected two small boats fleeing Faylaka Island which were believed to be carrying Iraqi secret police. USS WISCONSIN called in an air strike of A-6s to take out the boats.

On 28 February, Iraq accepted a cease fire and agreed to the terms of twelve United Nations resolutions regarding invasion of Kuwait on 2 August 1990. The UAV continued providing reconnaissance services.

Over Faylaka Island, UAV imagery observed many Iraqis waving white flags, a first for unmanned air vehicles - receiving the surrender of an enemy force. Two days later, the UAV continued to gather intelligence on Faylaka defenses and monitor actions on the ground prior to the evacuation of the Iraqi POW's.

Instrumental in support of putting ordnance on target and providing valuable intelligence data, the UAV performed its mission well. The detachment's truly remarkable performance is indicative of it's hard work, high level of training, and total professionalism. They proved the concept and effectiveness of UAV's in nearly every possible mission area in Desert Storm. The Pioneer UAV continues to provide outstanding service and shows great promise in support of future operations.