



DEPARTMENT OF THE NAVY

FLEET COMPOSITE SQUADRON SIX  
NAVAL AIR STATION  
NORFOLK, VIRGINIA 23511-5594

1989

IN REPLY REFER TO:

5750  
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05 APR 1990

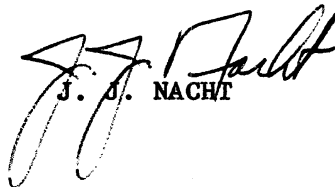
From: Commanding Officer, Fleet Composite Squadron SIX  
To: Director of Naval History (OP-09BH), Washington Navy Yard,  
Washington, DC 20374-0571

Subj: COMMAND HISTORY FOR CALENDAR YEAR 89

Ref: (a) OPNAVINST 5750.12E

- Encl:
- (1) Fleet Composite Squadron SIX 1989 Command History
  - (2) CDR J. J. Nacht's Biography and Photograph
  - (3) Operational Statistics for 1989
  - (4) FY 89 Golden Anchor Award Submission
  - (5) School Quota Report for 1989
  - (6) Squadron Information Pamphlet

1. In accordance with reference (a), enclosures (1) through (6) are submitted.

  
J. J. NACHT

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

*Safford*  
*OP-5*

FLECOMPRON SIX COMMAND HISTORY

FOR CY-89

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>
09806	- VC-6 Shore (NAS Norfolk, VA; NAB Little Creek, VA)
32019	- VC-6 Sea Det component (NAB Little Creek, VA; FCTC Dam Neck, VA)
30197	- VC-6 Det Dam Neck (FCTC Dam Neck, VA)
55243	- VC-6 Det Patuxent River (NAS Patuxent River, MD)

d. **Squadron Commander:** Commander J. J. Nacht, USN  
**Biography and Photograph:** (enclosure 2)

e. **Squadron Personnel:**

(1) Officers - 20

(2) Enlisted - 240

f. **Home Base:** Naval Air Station, Norfolk, Virginia.

g. **Type and number of assets assign:**

(1) QST 33 - 8

(2) QST 35 - 8

(3) BQM 74 - 22

(4) PIONEER - 2 Systems (Ground control station, portable control station, five air vehicles, miscellaneous support equipment per system)

2. CHRONOLOGY

Jan: Admin -Change of Command (27)  
Maint -Manpower management team visited command

Det L/C -Deployed to Mayport (30 Dec-20)  
 -TAD to New Orleans to survey new boat (17-20)

Det PAX -New RPV recovery net system (SPARS II) installed on board  
 USS IOWA  
 -Det ONE embarked on board USS IOWA for Caribbean OPS

**Feb:** Maint -Became fully functional with Zenith 248 computer system

Det L/C -Deployed to GITMO (3-21)  
 -QST 35 OPS with USS LAWRENCE & USS COMPTE GRASS (8)  
 -Attended SEPTARS users conference (13-17)  
 -Received NAVPHIBASE Little Creek Captains Cup (27)  
 -Received SURFLANT Small Ashore Athletic Excellence Award  
 (27)

Det D/N -Installed 1000 gal. JP-5 fuel storage tank

Det PAX -Tiger Team formed under NAVAIR COG to resolve RPV System  
 problems onboard USS IOWA

**Mar:** Maint -COMNAVAIRLANT Maint Management Team visited command, passed  
 with a grade of outstanding  
 -Power Plants turn-cell back into operation after being down  
 for a year. (RFI'ed five engine  
 -Boatshop made two trips down the Intercostal Waterway to  
 Pungo, VA for coxswain training  
 -Wall-to-wall inventory done on all IMRL gear

Det L/C -Deployed to Mayport (3-14)  
 -Loaded 8507 on board USS SEATTLE for GITMO (9)  
 -Deployed to GITMO (16 Mar-5 Apr)  
 -TAD to New Orleans to survey New Boat (27-31)

Det PAX -Personnel assisted PMTC Team in acceptance trials of system  
 2A on board USS Jersey  
 -Det ONE OPS on board USS IOWA to evaluate Tiger Team  
 repairs/modifications to RPV System

**Apr:** Maint -COMTACSUPWING ONE Semi-Annual Corrosion Inspection  
 -ATCS ██████ assumed duties as QA Officer  
 -AMS2 ██████ assumed duties as command safety PO  
 -RPV Det incorporated into det concept  
 -Several working parties were sent to USS IOWA to get RPV Det  
 spaces in shape before deploying to Med  
 -Boatshop made joint det to Palmetto with det from Little  
 Creek (6-14)

Det L/C -Deployed to Palmetto Point (6-13)  
 -QST 35 & DR-2 operation (12) - lost drone  
 -Participated in FLEET-EX 3-89. DR-2, Two QST-33's and two  
 QST-35's (18)  
 -Deployed to GITMO (21 Apr-6 May)

Det D/N -Det ONE embarked on board USS IOWA for Caribbean  
 OPS/FLEETEX. Returned early due to turret two explosion

**May:** Maint -Airframes manufactured and installed flag pole in front of  
 building U-48  
 -Airframes took a crashed BQM-74C and made it seaworthy so  
 that HC-6 and HC-8 could have a target to train for  
 recovering of drones

-Boatshop coxswain trained on the James River to and from Jamestown

-Boatshop, Avionics, and Little Creek set control platform in one of HC-6's Helos to control QST-33 from the air

Det L/C -DR-2 and SEPTARS participated in exercise "Solid Shield 89", (1-4)

-DR-2 Drone operations (10)

-DR-2 Drone operations (11)

-Deployed to Mayport (13)

-Deployed to GITMO (27 May-13 Jun)

Det PAX -Det PAX moved from HGR 101 to Bldg. 510 on board NAS Patuxent River (18-20)

-Forward TCU/antenna installed onboard USS IOWA eliminating forward downlink blind zone, (25 May-7 Jun)

Jun: Maint -Three people from Boatshop with Little Creek were sent to Mayport, FL (12-26)

-Boatshop and Little Creek took two QST-33s aboard the USNS MOHAWK (19-23)

Det L/C -QST-33 Deployed on USNS MOHAWK (19 Jun-3 Jul)

-QST-33 SINK X with VA 34, (21-22). Did not sink

-Deployed to Mayport (24-30)

-Deployed to GITMO (30 Jun-14 Jul)

Det D/N -Zenith 248 computer added to Detachment Dam Neck Admin

-Zenith 120 computer added to Detachment Dam Neck Training

Det PAX -Det ONE deployed on board USS IOWA for North Atlantic/Mediterranean Deployment

-USS IOWA port visit to Kiel, Germany

-Five flights/12.9 hours flown in support of exercise "BALTOPS 89" with NATO forces

Jul: Maint -COMHELTACWING ONE visited space (very impressed)

-Boatshop and Little Creek deployed to Palmetto Point with four QST-33 (21-28)

-UNITAS Det gear packed out for a six month deployment

Det L/C -Det deployed to Palmetto Pt., QST-33 (21-28)

-Det deployed to GITMO (22 Jul-11 Aug)

-OPS with USS PERRY (29)

-OPS with PHIBRON (6)

Det D/N -First deck rehabilitation of ITCS building; insulated and dry walled existing concrete block walls

-Indoor engine turn control station installation

Det PAX -USS IOWA port visit to Portsmouth, U.K.; Rota, Spain; Casablanca, Morocco; Gibraltar

-VC-6 RPV DET TWO established

-Det TWO embarked onboard USS NEW JERSEY for workups/port visit to Seattle, WA

-USS NEW JERSEY record set when an RPV was flown to a distance of 137 NM.

-Sent four man working party to AAI to assist in preparing 8 Option II RPV'S for delivery to DET PAX

-Received 8 Option II RPV'S for AAI

-Performed 11 ATP flts. in first two weeks of July

-Prepared for shipment and delivered to Norfolk Supply five

- RPV'S for overseas transport to USS IOWA and Det ONE
- Prepared three RPV's for shipment to USS NEW JERSEY, Long Beach, CA
- Embarked on USS NEW JERSEY (19)
- Participated in READIEX 89, flew three flts (7.2 Hours)
- Det ONE received three new PIONEER Option II air vehicles
- USS IOWA port visit to Marseille, France
- Det ONE received two new PIONEER Option II air vehicles

- Aug: Maint -Courtesy visit by COMHELTACWING ONE Corrosion Team in order to get a feel of what we do
- Constructed 16 floatable wooden target platforms in support for the Hellfire missile weapons system verification
- Det L/C -OPS 4-89 port brake out (14)
- OPS with USS SIAPAN an USS PONCE (16)
- Deployed to Mayport DET ECHO (18-31)
- OPS with USS CONNOLE (22)
- OPS 5-89 port brake out (24)
- OPS with USS PERRY (26)
- OPS 5-89 part two port brake out
- Det PAX -Det ONE transferred four PIONEER option 1 air vehicles
- Det ONE flew 17 flights/49.1 hours in support of eastern Mediterranean contingency operations with TF 60
- USS IOWA port visit to Antalya, Turkey
- USS NEW JERSEY port visit to Seattle, WA
- Continued participation in READIEX 89, flew 4 flts/12.1 hours
- Long range flight of 237.5 km. longest range recorded for the PIONEER RPV System
- Participated in simulated NGFS on San Clemente Island off the coast of California
- Disembarked USS NEW JERSEY for Patuxent River (16)
- Shipped three RPV's to AAI for structural modifications
- Organized and assigned 23 new personnel, most of which were short notice gains. Arranged for port of calls and/or order modifications to get personnel to the proper det deployed. The total gains amounted to a manning increase of 66%
- LCDR [REDACTED] and ATCS [REDACTED] attended the RPV NTP conference at NAVAIRSYSCOM
- Sep: MAINT -Received USN-614 Target Test Set (Utilized to check out BQM-74C in Vega configuration)
- Conducted operator pub verification with Vega precision Lab personnel and VC-6 personnel
- Completed annual wall-to-wall physical inventory of all 'R' coded reportable IMRL items
- Began work on self-help refurbishment and expansion of ladies head and changing facility
- Det L/C -Deployed to GITMO (1-15)
- OPS with SES-200 special weapons testing (5-30)
- OPS with USS DALGREN
- SINK X on 8405 hit and kill (27)
- Det PAX -USS IOWA visit to Gaeta, Italy
- Det TWO departed for WESTPAC deployment on board USS NEW

JERSEY

- DET ONE flew 17 flights/53.9 hours in support of 'Display Determination 89' and PIONEER RPV System operation evaluation. Conducted highly successful overland Recce of Saros Bay OPAREA for amphibious operations
- Det ONE conducts first operational dual RPV flight operations
- Received five option II RPV's (includes three reworked and two new AV's)
- Flew two ATP's on the new Option II RPV'S received
- Prepared the detachment for a major deployment
- Embarked USS New Jersey, (11)
- Participated in PACEX 89, flew 14 flts/30.1 hours.
- Conducted two pre-amphibious assault aerial reconnaissance flights on the Island of Amchitka, Alaska for exercise Kernal Potlach 89-2 as requested by CTG 36.2

- Oct: Maint -Boatshop began depot level structural repair to QST-33 #8407 which had experienced a direct hit during an operation. Approximately 3/4 of port hull will be replaced.
- Tasked by NAVAIR to incorporate and verify two AFC-12 pyrotechnic disconnect devices on the BQM-74C
- Det L/C -Deployed to Gitmo (16-26)
- Atlantic transit combat sortie services (11/12)
- Det D/N -North launch control station rebuilt
- Det PAX -Det ONE flew six flights/19.6 hours in support of eastern Mediterranean contingency operations
- USS IOWA port visit to Istanbul, Turkey; Haifa, Israel; Alexandria, Egypt; Gaeta, Italy; Ajaccio, Corsica
- USS IOWA record set when an RPV was flown to a distance of 117 NM
- Det TWO displayed RPV for COMNAVFORKOREA, RADM Vogt; COMSEVENTHFLT, VADM Mauz; CTF 70. RADM Bull; CTF 76, RADM Chase
- USS NEW JERSEY port visit to Pusan, Korea
- LAMPS MK III/ RPV COORP
- Chopped to Seventh Fleet
- Nov: Maint -Airframes manufactured work bench and boarding ramp for new target recovery boat, DR-3
- Successfully completed first semi-annual corrosion inspection conducted by our new functional wing commander CHTW-1
- Deployed four members of boatshop and GSE aboard USS RECOVERY in support of Type Commander Core training with QST-33 SEPTARS
- Det L/C -Deployed to GITMO (1-14)
- DR-3 RETRIEVER departed from Lockport, LA (2)
- DR-3 RETRIEVER arrived Little Creek, VA (11)
- Detachment of PERS and QST-33s were loaded aboard USS RECOVERY (27-3)
- Det D/N -FAX capability installed
- Det PAX -USS IOWA port visit to Gaeta, Italy; Augusta Bay, Sicily; Palma, Spain

- Det TWO NGFS Tabone Island
- USS NEW JERSEY port visit Subic Bay; Hong Kong; Singapore
- LAMPS MK III/RPV COORD
- OPS IN South China Sea
- Dec: Maint -Dispatched a QA team to do an assist visit for RPV-Det ONE prior to CHTW-1 post deployment inspection
- Det L/C -Deployed to Mayport (1-9)
- Deployed to GITMO (1-14)
- DR-3 underway on 7th with RPV Det ONE dependents for USS IOWA return
- DR-3 RETRIEVER underway for drone OPS (18/19)
- 27th SINKEX complete with destruction of 7803
- Det PAX -Det ONE returned from Deployment and relocated to Bldg 510, NAS Patuxent River, MD
- COORD OPS: LAMPS MK I/ RPV
- A/V 165 lost at sea, general failure
- OPS in north Arabian Sea
- New Jersey entered Persian Gulf
- Port visit to Bahrain, Sithra, UAE, Singapore, Pattya Beach, Thailand
- OPS South China Sea

### 3. Narrative

1989 started off with a Change of Command Ceremony in early January where CDR J. M. Cutcher was relieved by CDR J. J. Nacht and ended with a very highly successful Pioneer Remote Piloted Vehicle (RPV) deployment aboard USS IOWA which included an operational evaluation (OPEVAL) of the system. In between, significant increases in surface target operations were realized, first RPV deployment to the Western Pacific aboard USS NEW JERSEY occurred, first UNITAS deployment of an aerial target detachment aboard USS MANITOWAC occurred after a two year hiatus in UNITAS support, a new drone recovery boat was received, and VC-6 moved functional wings from Commander Tactical Support Wing ONE to Commander Helicopter Tactical Wing ONE.

Pioneer RPV detachment TWO was established and completed its first deployment aboard USS NEW JERSEY in the South China Sea, while PIONEER RPV detachment ONE made its second deployment to the North Atlantic/Mediterranean. During detachment ONE's OPEVAL, it was shown for the first time that two aircraft can be remotely flown and controlled at the same time. Detachment TWO set a new distance record when one of their RPVs flew a distance of 137 nautical miles. Overall operation of both RPV

detachments significantly proved their worth to the battleship and battle group commander for surveillance, BDA, gun spotting, etc.. A crossdeck of the IOWA RPV system to USS WISCONSIN was directed from the four star level.

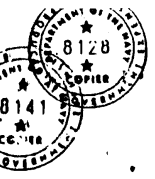
In addition to normal surface deployment operations occurring from Norfolk, GITMO, and Mayport, special surface OPS in support of SES-200 special weapons testing dealing with the Hellfire Missile Weapon System occurred as well as starting deployments of QST-33s aboard U.S. naval ships. Support of Type Commander Core Training end result of operations showed an increase in operational hours of 594 to 930 between FY 88 and FY 89. While almost doubling their operational hours the detachment also participated in the procurement and rehabilitation of recovery vessel 3 (DR-3) to replace DR-2. With DR-3 the unit significantly increased it's drone recovery mission capability. Finally for the first time ever a SEPTAR control station was installed on board a helicopter, operating a QST-33 target while airborne. Detachment Little Creek was also the Captain's Cup winner for Small Tenant Commands for the second consecutive year.

Although aerial target operations decreased between FY 88 and FY 89 due to low inventory of available BQM-74C targets in the Navy, an aerial detachment did completed a successful deployment on board USS MANITOWAC in support of UNITAS XXX. While deployed they had 15 out of 17 launches without an operational loss, a significant accomplishment.

#### 4. Supporting Documents

- a. Operations Statistics for 1989 (enclosure 3)
- b. FY 89 Golden Anchor Award Submission (enclosure 4)
- e. School Quota Report for 1989 (enclosure 5)
- f. Squadron Information pamphlet (enclosure 6)





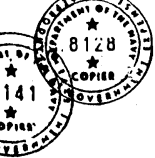
OPERATIONS STATISTICS FOR JANUARY

QM-74C	JAN 89		FY 89		FY 88	
	NO.	%	NO.	%	NO.	%
LAUNCHES	0.0		4.0		42.0	
AT LAUNCHES	0.0		4.0	100.0	40.0	95.2
AT MSNS	0.0		2.0	50.0	33.0	78.6
RECOVERIES	0.0		3.0	75.0	28.0	66.7
P LOSSES	0.0		1.0	25.0	9.0	21.4
IT & KILL	0.0		0.0	0.0	5.0	11.9
P HOURS	0.0		2.1		24.3	

ST-35						
LAUNCHES	12.0		65.0		163.0	
AT MSNS	10.0	83.3	61.0	93.8	135.0	82.8
P HOURS	53.0		241.9		594.0	

ST-33						
LAUNCHES	0.0		0.0		24.0	
AT MSNS	0.0	0.0	0.0	0.0	21.0	87.5
P HOURS	0.0		0.0		47.9	

R-2						
LAUNCHES	0.0		3.0		26.0	
P HOURS	0.0		23.6		155.9	



OPERATIONS STATISTICS FOR FEBRUARY

QM-74C	FEB 89		FY 89		FY 88	
	NO.	%	NO.	%	NO.	%
LAUNCHES	0.0		4.0		42.0	
AT LAUNCHES	0.0		4.0	100.0	40.0	95.2
AT MSNS	0.0		2.0	50.0	33.0	78.6
RECOVERIES	0.0		3.0	75.0	28.0	66.7
P LOSSES	0.0		1.0	25.0	9.0	21.4
IT & KILL	0.0		0.0	0.0	5.0	11.9
P HOURS	0.0		2.1		24.3	
ST-35						
LAUNCHES	19.0		84.0		163.0	
AT MSNS	15.0	78.9	76.0	90.5	135.0	82.8
P HOURS	38.5		280.4		594.0	
ST-33						
LAUNCHES	0.0		0.0		24.0	
AT MSNS	0.0	0.0	0.0	0.0	21.0	87.5
P HOURS	0.0		0.0		47.9	
R-2						
LAUNCHES	0.0		3.0		26.0	
P HOURS	0.0		23.6		155.9	



OPERATIONS STATISTICS FOR MARCH

<u>BQM-74C</u>	<u>MAR 89</u>		<u>FY 89</u>		<u>FY 88</u>	
	<u>NO.</u>	<u>%</u>	<u>NO.</u>	<u>%</u>	<u>NO.</u>	<u>%</u>
LAUNCHES	0.0		4.0		42.0	
SAT LAUNCHES	0.0		4.0	100.0	40.0	95.2
SAT MSNS	0.0		2.0	50.0	33.0	78.6
RECOVERIES	0.0		3.0	75.0	28.0	66.7
OP LOSSES	0.0		1.0	25.0	9.0	21.4
HIT & KILL	0.0		0.0	0.0	5.0	11.9
OP HOURS	0.0		2.1		24.3	

QST-35

LAUNCHES	4.0		88.0		163.0	
SAT MSNS	4.0		80.0		135.0	82.8
OP HOURS	26.0		306.4		594.0	

QST-33

LAUNCHES	0.0		0.0		24.0	
SAT MSNS	0.0	0.0	0.0	0.0	21.0	87.5
OP HOURS	0.0		0.0		47.9	

DR-2

LAUNCHES	0.0		3.0		26.0	
OP HOURS	0.0		23.6		155.9	



OPERATIONS STATISTICS FOR APRIL

<u>BQM-74C</u>	<u>APRIL 89</u> <u>NUMBER</u>	<u>FY89</u> <u>NUMBER</u>	<u>FY88</u> <u>NUMBER</u>
LAUNCHES	4.0	8.0	42.0
SAT LAUNCHES	3.0	7.0	40.0
SAT MSNS	3.0	5.0	33.0
RECOVERIES	3.0	6.0	28.0
OP LOSSES	1.0	2.0	9.0
HIT & KILL	0.0	0.0	5.0
OP HOUR	2.6	4.7	24.3
 <u>QST-35</u>			
LAUNCHES	7.0	95.0	163.0
SAT MSNS	5.0	85.0	135.0
OP HOURS	34.0	340.4	594.0
 <u>QST-33</u>			
LAUNCHES	0.0	0.0	24.0
SAT MSNS	0.0	0.0	21.0
OP HOURS	0.0	0.0	47.9
 <u>DR-2</u>			
LAUNCHES	3.0	6.0	26.0
OP HOURS	25.0	48.6	155.9



OPERATIONS STATISTICS FOR MAY

<u>BQM-74C</u>	<u>MAY 89</u> <u>NUMBER</u>	<u>FY89</u> <u>NUMBER</u>	<u>FY88</u> <u>NUMBER</u>
LAUNCHES	4.0	12.0	42.0
SAT LAUNCHES	3.0	10.0	40.0
SAT MSNS	3.0	8.0	33.0
RECOVERIES	4.0	10.0	28.0
OP LOSSES	0.0	2.0	9.0
HIT & KILL	0.0	0.0	5.0
OP HOUR	2.6	7.3	24.3
 <u>QST-35</u>			
LAUNCHES	42.0	137.0	163.0
SAT MSNS	39.0	124.0	135.0
OP HOURS	59.2	399.6	594.0
 <u>QST-33</u>			
LAUNCHES	0.0	0.0	24.0
SAT MSNS	0.0	0.0	21.0
OP HOURS	0.0	0.0	47.9
 <u>DR-2</u>			
LAUNCHES	0.0	6.0	26.0
OP HOURS	0.0	48.6	155.9



OPERATIONS STATISTICS FOR JUN

<u>BQM-74C</u>	<u>JUN 89</u> <u>NUMBER</u>	<u>FY89</u> <u>NUMBER</u>	<u>FY88</u> <u>NUMBER</u>
LAUNCHES	6.0	18.0	42.0
SAT LAUNCHES	6.0	16.0	40.0
SAT MSNS	5.0	13.0	33.0
RECOVERIES	4.0	14.0	28.0
OP LOSSES	2.0	4.0	9.0
HIT & KILL	0.0	0.0	5.0
OP HOUR	3.9	11.2	24.3
 <u>QST-35</u>			
LAUNCHES	54.0	191.0	163.0
SAT MSNS	50.0	174.0	135.0
OP HOURS	100.0	499.6	594.0
 <u>QST-33</u>			
LAUNCHES	2.0	2.0	24.0
SAT MSNS	2.0	2.0	21.0
OP HOURS	17.0	17.0	47.9
 <u>DR-2</u>			
LAUNCHES	4.0	10.0	26.0
OP HOURS	32.0	80.6	155.9



OPERATIONS STATISTICS FOR JULY

<u>BQM-74C</u>	<u>JUL 89</u> <u>NUMBER</u>	<u>FY89</u> <u>NUMBER</u>	<u>FY88</u> <u>NUMBER</u>
LAUNCHES	1.0	19.0	42.0
SAT LAUNCHES	1.0	17.0	40.0
SAT MSNS	1.0	14.0	33.0
RECOVERIES	1.0	15.0	28.0
OP LOSSES	0.0	4.0	9.0
HIT & KILL	0.0	0.0	5.0
OP HOUR	1.0	12.2	24.3
<u>QST-35</u>			
LAUNCHES	14.0	205.0	163.0
SAT MSNS	12.0	186.0	135.0
OP HOURS	53.8	553.4	594.0
<u>QST-33</u>			
LAUNCHES	4.0	6.0	24.0
SAT MSNS	3.0	5.0	21.0
OP HOURS	8.6	25.6	47.9
<u>DR-2</u>			
LAUNCHES	2.0	12.0	26.0
OP HOURS	19.0	99.6	155.9



OPERATIONS STATISTICS FOR AUGUST

<u>BQM-74C</u>	<u>AUG 89</u> <u>NUMBER</u>	<u>FY89</u> <u>NUMBER</u>	<u>FY88</u> <u>NUMBER</u>
LAUNCHES	4.0	23.0	42.0
SAT LAUNCHES	3.0	20.0	40.0
SAT MSNS	3.0	17.0	33.0
RECOVERIES	3.0	18.0	28.0
OP LOSSES	1.0	5.0	9.0
HIT & KILL	0.0	0.0	5.0
OP HOUR	2.6	14.8	24.3
<u>QST-35</u>			
LAUNCHES	41.0	246.0	163.0
SAT MSNS	36.0	222.0	135.0
OP HOURS	172.2	725.6	594.0
<u>QST-33</u>			
LAUNCHES	2.0	8.0	24.0
SAT MSNS	2.0	7.0	21.0
OP HOURS	12.0	37.6	47.9
<u>DR-2</u>			
LAUNCHES	1.0	13.0	26.0
OP HOURS	5.0	104.6	155.9





OPERATIONS STATISTICS FOR SEPTEMBER

<u>BQM-74C</u>	<u>SEP 89</u> <u>NUMBER</u>	<u>FY89</u> <u>NUMBER</u>	<u>FY88</u> <u>NUMBER</u>
LAUNCHES	3.0	26.0	42.0
SAT LAUNCHES	3.0	23.0	40.0
SAT MSNS	3.0	20.0	33.0
RECOVERIES	2.0	20.0	28.0
OP LOSSES	0.0	5.0	9.0
HIT & KILL	1.0	1.0	5.0
OP HOUR	2.0	16.8	24.3
<u>QST-35</u>			
LAUNCHES	47.0	293.0	163.0
SAT MSNS	41.0	263.0	135.0
OP HOURS	210.9	936.5	594.0
<u>QST-33</u>			
LAUNCHES	2.0	10.0	24.0
SAT MSNS	1.0	8.0	21.0
OP HOURS	13.0	50.6	47.9
<u>DR-2</u>			
LAUNCHES	3.0	16.0	26.0
OP HOURS	30.0	134.6	155.9



OPERATIONS STATISTICS FOR OCTOBER 1989

<u>BQM-74C</u>	<u>OCT 89</u> <u>NUMBER</u>	<u>FY90</u> <u>NUMBER</u>	<u>FY89</u> <u>NUMBER</u>
LAUNCHES	6.0	6.0	26.0
SAT LAUNCHES	6.0	6.0	23.0
SAT MSNS	6.0	6.0	20.0
RECOVERIES	6.0	6.0	20.0
OP LOSSES	0	0	5.0
HIT & KILL	0	0	1.0
OP HOUR	4.4	4.4	16.8

QST-35

LAUNCHES	12.0	12.0	293.0
SAT MSNS	11.0	11.0	263.0
OP HOURS	23.9	23.9	936.5

QST-33

LAUNCHES	0	0	10.0
SAT MSNS	0	0	8.0
OP HOURS	0	0	50.6

DR-2

LAUNCHES	0	0	16.0
OP HOURS	0	0	134.6



OPERATIONS STATISTICS FOR NOVEMBER 1989

<u>BQM-74C</u>	<u>NOV 89</u> <u>NUMBER</u>	<u>FY90</u> <u>NUMBER</u>	<u>FY89</u> <u>NUMBER</u>
LAUNCHES	4.0	10.0	26.0
SAT LAUNCHES	4.0	10.0	23.0
SAT MSNS	4.0	10.0	20.0
RECOVERIES	3.0	09.0	20.0
OP LOSSES	0	0	5.0
HIT & KILL	1	1	1.0
OP HOUR	1.4	5.8	16.8

QST-35

LAUNCHES	6.0	18.0	293.0
SAT MSNS	0.0	11.0	263.0
OP HOURS	28.6	52.5	936.5

QST-33

LAUNCHES	0	0	10.0
SAT MSNS	0	0	8.0
OP HOURS	0	0	50.6

DR-2

LAUNCHES	0	0	16.0
OP HOURS	0	0	134.6

OPERATIONS STATISTICS FOR DECEMBER 1989

<u>BQM-74C</u>	<u>DEC 89</u> <u>NUMBER</u>	<u>FY90</u> <u>NUMBER</u>	<u>FY89</u> <u>NUMBER</u>
LAUNCHES	2.0	12.0	26.0
SAT LAUNCHES	2.0	12.0	23.0
SAT MSNS	2.0	12.0	20.0
RECOVERIES	1.0	10.0	20.0
OP LOSSES	0.0	0.0	5.0
HIT & KILL	1.0	2.0	1.0
OP HOUR	0.7	6.5	16.8

QST-35

LAUNCHES	10.0	28.0	293.0
SAT MSNS	10.0	21.0	263.0
OP HOURS	35.8	88.3	936.5

QST-33

LAUNCHES	2.0	2.0	10.0
SAT MSNS	2.0	2.0	8.0
OP HOURS	18.4	18.4	50.6

DR-3

LAUNCHES	4.0	4.0	16.0
OP HOURS	21.5	21.5	134.6