

1981

DEPARTMENT OF THE NAVY
FLEET COMPOSITE SQUADRON SIX
NAVAL AIR STATION
NORFOLK, VIRGINIA 23511

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18 FEB 1982

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[REDACTED] UNCLASSIFIED UPON REMOVAL OF ENCLOSURE (5))

From: Commanding Officer, Fleet Composite Squadron SIX
To: Chief of Naval Operations (OP-05D2)

Subj: Command History for Calendar Year 1981
(OPNAV Report 5750-1)

Ref: (a) OPNAVINST 5750.12C

- Encl: (1) Commanding Officer's biography
- (2) Summary of Operations for Calendar Year 1981
- (3) Operational Statistics for Calendar Year 1981
- (4) Congratulatory Messages for Calendar Year 1981
- (5) Classified Messages for Calendar Year 1981

1. In accordance with reference (a), enclosures (1) through (5) are forwarded.

2. Basic History

a. Command Organization.

(1) The biography of the present Commanding Officer is included as enclosure (1).

(2) Mission and functions which have changed since a previous submital, and the authority for the changes: None.

(3) Composition of command, including designation of units assigned, dates and authority for any activations or deactivations, and information on significant organizational changes during the calendar year: None.

(4) Any changes in location of headquarters or homeport: None.

b. Summary of Operations.

(1) Significant events and a summary of operations is included in enclosure (2).

c. Special topics.

(1) The operational statistics for calendar year 1981 are included in enclosure (3).

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3. Documentary Annex.

a. Enclosures (4) and (5) consist of congratulatory messages received during 1981.

4. Highlights of calendar year 1981.

a. During this period, VC-6 has continued to expand the scope of its threat simulation mission. Through the incorporation of new equipment, the devising of new tactics, and the improvement of existing equipment and procedures, air and surface units of the Atlantic Fleet have received increasingly realistic threat simulations to incorporate in their training.

b. Several new tactics were developed for use with Navy and Marine Corps fighter squadrons. The first, which the Pacific Missile Test Center thought impossible, was a night MQM-74C target operation. All three targets performed flawlessly and were recovered after all missiles were expended. The second innovation concerned the simultaneous flight of two aerial targets simulating a section of aircraft. This was totally conceived by members of this squadron to give the fighter community a more realistic challenge.

c. New simulations have also been incorporated for the surface-to-surface missile threat. At Guantanamo Bay, Cuba, an MQM-74C target was flown in a pop-up maneuver over a QST-35 SEPTAR to simulate a surface launched missile for firing units of the Atlantic Fleet. This profile was deemed very realistic and plans are to repeat such exercises in the future. A further surface-to-surface scenario is now available in the VACAPES area with the successful launch and flight of an MQM-74C from the USS RETRIEVER (DR-1) while underway. This was described as the most realistic threat ever seen by airborne units of Fighter Wing ONE.

d. VC-6 expanded its services during participation in UNITAS XXII, A six-month South American Combined Exercise. This was the first UNITAS exercise to employ QST-33 SEPTARS for surface gunnery with the U.S. Navy and units of 10 South American navies. VC-6 also enjoyed its most successful UNITAS deployment ever in terms of aerial target services. The command received praise from the Commander, South Atlantic force and many foreign navies.

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e. Cognizant of the ever increasing costs of targets, VC-6 has initiated innovative methods for target conservation. One involved the incorporation of a vertical altitude jink maneuver vice the standard break turn for evading AIM-7 Sparrow Missiles. This maneuver preserves missile/target closure enhancing missile performance while significantly improving target survival rates. Aerial targets have been frequently lost due to parachute entanglement on water impact because the parachute failed to detach. To resolve this problem, VC-6 initiated a design for a water activated release device for the parachute. Initial operational tests on the selected device show it to be completely successful and a marked improvement over current equipment. The squadron also acquired permission to equip all MQM-74C targets with IFF transponders to enhance mission accomplishment and target recovery.

f. The past year saw the overhaul completion of our drone recovery vessel, USS RETRIEVER (DR-1), at Salisbury, Maryland. In spite of a delayed delivery date caused by contractor supply problems and labor strikes, DR-1 was delivered below projected costs primarily through the on-site coordination of VC-6 personnel. This overhaul extended USS RETRIEVER's operational life for ten more years, and the cost has already been recovered through targets saved which would have otherwise been lost.

g. Our participation in the annual Hawk Missile Exercise with Marine Corps units of the Atlantic Fleet at Camp LeJeune, North Carolina, saw the first utilization of tow bodies on the MQM-74C. This provided realistic threats to Marine Corps firing units while allowing for maximum drone conservation. This year's exercise concluded with all missiles fired as planned.

h. VC-6 led the way with the first introduction and incorporation of the Integrated Target Control System by a military unit. This system is designed to provide improved control and tracking of airborne targets. This command has played a major role in its design, construction, and integration into fleet exercises. As the sole military operator and model manager, we have submitted major changes to procedures in the operating publications and initiated requirements for check and test procedures for target systems.

i. VC-6's involvement in threat simulation did not stop within the squadron. We were called upon to provide a standard arm emitter for use in READDEX 1-82. This was quickly and professionally accomplished. The emitter was installed and ready for use when the HARPOONEX target was changed from the Ex-Bushnell to the Ex-Ware in Roosevelt Roads, P.R. VC-6 was given 48 hours to remove the emitter from Ex-Bushnell and install it in Ex-Ware. This task was accomplished and the HARPOONEX went on to a highly successful conclusion.

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j. The expansion of target services has increased the pride and enthusiasm of the squadron personnel. Reenlistment figures remain impressive. On 2 October 1981, VC-6 held a mass reenlistment ceremony for twelve squadron members who reenlisted for a total of 48 years. This is believed to be the largest single reenlistment for a shore unit in the Norfolk area, and is certainly the largest for a squadron of this size.

k. The command acted to inform the public on the essential services it provides through two major television news features. The first concerned coverage given the USS RETRIEVER (DR-1) by WTAR (CH-3) on its return from overhaul. The second was coverage by WVEC (CH-13) news on the opening of the Integrated Target Control System building at Dam Neck. In addition the squadron received recognition on CH-10 as a significant contributor to a local charity gathering Thanksgiving baskets. These events contributed to the public's knowledge of how their naval forces train for defense of the country.

l. The squadron completed a very productive command inspection early in the period in which VC-6 was found to be fully effective in the performance of assigned missions and no major discrepancies were noted.

m. VC-6 continued to lead in providing threat simulation for U.S. and foreign units at home and abroad. Deploying on ships of every size to the Atlantic, Caribbean, Mediterranean, and South America, detachments provided professional services in a broad spectrum of threat simulations to anyone and everyone who would test their defense capabilities. As the Navy's only operational target squadron, VC-6 is proud of its role of providing "SKEET FOR THE FLEET".


K. W. VAN LUE

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Director of Naval History

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CREW DEPLOYMENTS - 1
 TOTAL DAYS DEPLOYED - 7

MQM-74C	JAN 1981		TOTAL FY 81		JAN 80	AVG FY 80
	NO	%	NO	%		
LAUNCHES	3	----	26	----	22	----
SAT MISSIONS	2	66.7	21	80.8	18	79.0
SAT LAUNCHES	3	100.0	24	92.3	21	95.2
RECOVERIES	1	33.3	10	38.5	13	64.8
OP LOSS	1	33.3	7	26.9	6	16.2
HIT & KILLED	1	33.3	4	15.4	3	20.2

QST-35	JAN		TOTAL FY 81		AVG FY 80
	NO	%	NO	%	
LAUNCHES	2	----	14	----	16.6
SAT MISSION	2	----	14	----	16.6
OPS HOURS	4.6	----	76.4	----	38.6

QST-33	JAN		TOTAL FY 81		AVG FY 80
	NO	%	NO	%	
LAUNCHES	0	----	13	----	21.8
SAT MISSION	0	----	13	----	22.2
OPS HOURS	00.0	----	30.5	----	200.00

DR-1
 HOURS OF OPERATION - 0
 DAYS OPERATED - 0
 TARGETS RECOVERED - 0
 TOTAL TARGETS RECOVERED - 0

OPERATIONS

JANUARY PROVED TO BE A LOW TEMPO OPERATIONS MONTH AS DET ALPHA DEPLOYED ABOARD USS AMERICA 13-18 JAN. ONE DAY OF MQM-74 OPERATIONS PROVIDED TARGET SERVICES FOR TWO OF THE AMERICA'S NATO SEA SPARROW MISSILES. DET DELTA OPERATED AT DAM NECK ON THE 29th, PROVIDING SERVICES FOR VF-171. LITTLE CREEK'S DET ECHO RELOCATED ONE OF THE SQUADRON'S MK35 SEPTARS FROM LITTLE CREEK TO IT'S NEW BERTHING PLACE AT FISHERMAN'S WHARF MARINA, RUDEE INLET. THIS MOVE PROVIDES QUICKER ACCESS TO THE DAM NECK TARGET RECOVERY AREA, CUTTING THE SEPTAR'S TRANSIT TIME TO THE OPAREA IN HALF. THE DETACHMENT ASSISTED IN THE

Operations Monthly Summary February

25 FEB - Detachment ALPHA Operated at Dam Neck supporting VF-101 and VF-11 Missiles

25 FEB - Detachment ECHO operated the MK-35 Seprax out of Rudee Inlet in support of VF-101 and VF-11 Missiles as a drone recovery asset. They detached the hung parachute from the drone, enabling helo pickup & recovery.

CREW DEPLOYMENTS - 0
TOTAL DAYS DEPLOYED - 0

MQM-74C	FEB 1981		TOTAL FY 81		FEB 80		AVG FY 80	
	NO	%	NO	%	NO		%	
LAUNCHES	1	----	27	----	22		----	
SAT MISSIONS	1	100.0	22	81.5	18		79.0	
SAT LAUNCHES	1	100.0	25	92.6	21		95.2	
RECOVERIES	1	100.0	11	40.7	13		64.8	
OP LOSS	0	00.0	7	25.9	6		16.2	
HIT & KILLED	0	00.0	4	14.8	3		20.2	

QST-35	FEB	TOTAL FY 81	AVG FY 80
LAUNCHES	2	16	16.6
SAT MISSION	2	16	16.6
OPS HOURS	5.5	81.9	38.6

QST-33	FEB	TOTAL FY 81	AVG FY 80
LAUNCHES	0	13	21.8
SAT MISSION	0	13	22.2
OPS HOURS	00.0	30.5	200.00

DR-1
HOURS OF OPERATION - 0
DAYS OPERATED - 0
TARGETS RECOVERED - 0
TOTAL TARGETS RECOVERED - 0

CREW DEPLOYMENTS - 3
 TOTAL DAYS DEPLOYED - 43

MQM-74C	MAR 1981		TOTAL FY 81		MAR 80		TOTAL FY 80		AVG FY 80	
	NO	%	NO	%	NO				%	
LAUNCHES	10	----	37	----	22	-----			----	
SAT MISSIONS	9	90.0	31	83.8	18	-----			79.0	
SAT LAUNCHES	10	100.0	35	94.6	21	-----			95.2	
RECOVERIES	9	90.0	20	54.0	13	-----			64.8	
OP LOSS	1	10.0	8	21.6	6	-----			16.2	
HIT & KILLED	0	00.0	4	10.8	3	-----			20.2	

QST-35

LAUNCHES	3		19		5	-----
SAT MISSION	3		19		5	100.00
OPS HOURS	10.5		92.4		38.6	-----

QST-33

LAUNCHES	15		28		55	-----
SAT MISSION	13		26		54	98.0
OPS HOURS	40.4		70.9		200.00	-----

DR-1

HOURS OF OPERATION - 0
 DAYS OPERATED - 0
 TARGETS RECOVERED - 0
 TOTAL TARGETS RECOVERED - 0

- 3 Det Delta operated at Dam Neck completing its first successful Dual Drone operational flight.
- 10 Det Delta operated at Dam Neck servicing VF-31. Three drones were launched, two AIM-7 missiles were fired.
- 11-26 Det Charlie deployed to Lake George servicing VA-86, VA-66, VA-105, VA-34, and VA-12 with MK-33 Septars for five days. 484 presentations were made with 397 MK-76 practice bombs being dropped.
- 18-26 Det Alfa deployed to Guantanamo Bay Cuba, operating from and servicing USS CONYNGHAM. One drone was launched for tracking runs. Ship's equipment failure precluded missile launches by surface shooter. This launch marks the first operation in the Guantanamo Bay oparea by VC-6
- 18-29 Det Bravo deployed aboard USS MOUNT BAKER for OOM 3-81 servicing USS WILLIAM V. PRATT, USS TALBOT, USS CARON, USS AINSWORTH, USS OBANNON, and USS DUPONT. Four drones launched, twelve SAM missiles fired.

CREW DEPLOYMENTS - 3
 TOTAL DAYS DEPLOYED - 43

MQM-74C	APR 1981 NO %	TOTAL FY 81 NO %	APR 80 NO	TOTAL FY 80	AVG FY 80 %
LAUNCHES	4 ----	41 ----	4	-----	----
SAT MISSIONS	4 100.0	35 85.4	2	-----	79.0
SAT LAUNCHES	4 100.0	39 95.1	4	-----	95.2
RECOVERIES	4 100.0	24 58.5	3	-----	64.8
OP LOSS	0 10.0	8 19.5	0	-----	16.2
HIT & KILLED	0 00.0	4 09.8	1	-----	20.2

QST-35

LAUNCHES	3	22	2	2	----
SAT MISSION	3	22	2	5	100.00
OPS HOURS	09.2	101.6	12.6	38.6	----

QST-33

LAUNCHES	14	42	0	55	----
SAT MISSION	10	36	0	54	98.0
OPS HOURS	50.9	121.8	0		

DR-1

HOURS OF OPERATION - 0
 DAYS OPERATED - 0
 TARGETS RECOVERED - 0
 TOTAL TARGETS RECOVERED - 0

APRIL MONTHLY OPERATIONS SUMMARY

1-14 April

Det Echo deployed to Guantanamo Bay, Cuba servicing the USS DAVIS. The USS DAVIS was shooting 3" 38 AA Comm Ammo. Septar was a strike.

2-3 April

Det Charlie operated in the VACAPES OPAREA W-50 servicing SPEC BOAT UNIT TWO. The septar was hit twelve times by MK-19 MOD 3 40MM Grenades. Septar was a strike.

15-17 April

Det Charlie operated off VACAPES aboard the USS ATAKAPA servicing the USS ARKANSAS. The op was cancelled because the operating period was up, due to the ATAKAPA'S loss of Trimaran and tow line.

16-17 April

Det Alpha operated at Dam Neck servicing VF-142/CVW-1. One drone was launched, 2 AIM-7 Missiles were fired. Drone recovered.

21-22 April

Det Alpha operated at Dam Neck servicing VF-143/84. Two drones were launched, 8 AIM-7 Missiles were fired. No drones lost.

25 April-2 May

Det Charlie deployed to Albermarle Sound, N.C. servicing MATWING ONE. The septar was destroyed by one MK-83 Laser bomb.

28 April

Det Delta operated at Dam Neck servicing VF-101/VF-41. One drone was launched, 3 AIM-7 Missiles were fired. Drone recovered.

29 April

Det Echo deployed to Guantanamo Bay, Cuba

CREW DEPLOYMENT 3
 TOTAL DAYS 26

	MAY 81		TOTAL FY 81		MAY 80		TOTAL FY 80	AVG FY 80
	NO	%	NO	%	NO	%		

MQM-74C

LAUNCHES	10	--	51	--	13	---		-----
SAT MISSIONS	8	80	43	---	11	84.6		79.0
SAT LAUNCHES	9	90	48	---	13	100		95.2
RECOVERIES	8	00	32	---	12	92.3		64.8
OPS LOSS	2	20	10	---	0	00.0		16.2
HIT & KILL	1	10	5	---	1	7.6		20.2

QST-35

LAUNCHES	2		24		0		5	-----
SAT MISSIONS	2		24		0		5	100
OPS LOSS	10.0		110.6		0		38.6	-----

QST-33

LAUNCHES	5		47		4		55	-----
SAT MISSION	5		41		4		54	98
OPS HOURS	10.4		132.2		15.5			-----

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MAY MONTHLY OPERATIONS SUMMARY

1-7 MAY Det Charlie deployed to Guantanamo Bay, Cuba servicing the USS DELKNAP and the USS EDISON. The USS BELKNAP shot 18 rounds while the EDISON shot 22

13-22 Det Bravo participated in COMPTUEX 2-81 on board the USS SEATTLE. They provided target services to the USS MCDONOUGH, the USS DANIELS, and the USS TEXAS; 6 missiles and 134 rounds of 5" AMMO was expended. Two drones were strikes, one was lost at sea and the other was a Hit&Kill

16-23 Det Alpha deployed to Camp LeJeune, N.C. Towbodies were used with all 5 drones and they seemed to be satisfactory. Eight Hawk Missiles were fired. One drone was not recovered

27 Det Delta augmented the Dam Neck launch crew servicing VF-32 and VF-11. One drone launched and recovered. Five AIM-7 missiles were launched

Encl (2)

CREW DEPLOYMENT 2
 TOTAL DAYS 25

Delete

Delete

JUN 81 TOTAL FY 81 JUN 80 TOTAL FY 80 AVG FY 80
 NO % NO % NO % NO %

MQM-74C

	JUN 81	TOTAL FY 81	JUN 80	TOTAL FY 80	AVG FY 80
	NO	%	NO	%	
LAUNCHES	16	--	67	--	10 ---
SAT MISSIONS	14	88	57	85	06 60.0
SAT LAUNCHES	16	100	64	95	08 80.0
RECOVERIES	15	94	57	85	08 80.0
OPS LOSS	0	--	10	15	03 30.3
HIT & KILL	1	67	6	09	0 00.0

QST-35

	JUN 81	TOTAL FY 81	JUN 80	TOTAL FY 80	AVG FY 80
LAUNCHES	10	32	0	3	-----
SAT MISSIONS	10	32	0	3	100
OPS LOSS	08.4	119	0	24.6	-----
<i>HOURS</i>					

QST-33

	JUN 81	TOTAL FY 81	JUN 80	TOTAL FY 80	AVG FY 80
LAUNCHES	12	54	3	19	-----
SAT MISSION	11	47	2	18	98
OPS HOURS	43.6	165.4	8.8	92.8	-----

JUNE OPS SUMMARY

DET ALPHA

During the month of JUNE, 1981, DET ALPHA launched three targets (MQM-74C) from the DAM NECK launch site. Target 022140 was launched 9 JUNE 81, hit by an AIM-7, and recovered. Target 020882 was launched on the same day, hit by an AIM-7, and not recovered. The remaining target, 020901, was launched on 18 JUNE 81. No missile was fired, and the target was recovered. All totaled eighty minutes of flight time were logged, and four missiles expended.

DET BRAVO

The only operation for DET BRAVO was an Open Ocean Missilex on board USS DETROIT. The det had operations on 28 and 29 JUNE, 1981, and had gun runs on 1 and 3 JULY, 1981. A total of seven MQM-74C's were flown with no losses.

During the time frame of this report, the det lost AMSAN HUBBERT, and gained AN BATES.

DET CHARLIE

The month of JUNE was spent by DET CHARLIE at Little Creek performing extensive maintenance on the QST-35 SEPTARS in an attempt to upgrade their condition and restore them to an up status. Target #567150 had not been run for more than a year and it was restored to service for further transfer to NATC PAXTENT RIVER, MD.

DET DELTA

DET DELTA deployed with USS CAPODANNO on UNITAS XXII on 15 JUNE 81. They operated 24 and 27 JUNE, 1981. A total of six MQM-74C were launched and recovered, with 5" 54 VTNF being expended against them.

DET ECHO

DET ECHO operated on three days this month. The first times were in support of MQM-74C operations off Dam Neck. On 9 JUNE 81, QST-35's were used in support of MQM-74C recovery for DET ALPHA and FITWING ONE. QST-33's were used on 18 JUNE 81, in support of DET ALPHA's training flight. The last operation for the month of JUNE was a QST-33 gunex for COMSPECBOAT 20. A total of 1,200 rounds of 20MM ammo was fired with one hit.

CREW DEPLOYMENT 1
TOTAL DAYS DEPLOYED - 31

	JUL 81		TOTAL FY 81		TOTAL FY 80	
	NO	%	NO	%		

MQM-74C

LAUNCHES	14	--	81	--	87	-----
SAT MISSIONS	10	71	67	83	73	83.9
SAT LAUNCHES	13	93	77	95	83	95.4
RECOVERIES	8	57	65	80	60	68.9
OPS LOSS	3	21	13	16	12	13.7
HIT & KILL	3	21	9	11	15	17.2

QST-35

LAUNCHES	8		40		5	
SAT MISSIONS	8		40		5	
OPS HOURS	20.6		139.6		38.6	

QST-33

LAUNCHES	3		57		55	
SAT MISSION	1		48		54	
OPS HOURS	2.1		167.5		200.00	

JULY OPERATIONS SUMMARY

DETACHMENT ALPHA

DETACHMENT ALPHA operated from GUANTANAMO BAY, CUBA, from 3 JULY to 8 JULY, launching only one target on 7 JULY for the USS CLARK. Total flight time was 34 minutes with one presentation.

The remaining portion of the month, the detachment spent at DAM NECK in preparation for an AUGUST OOM.

DETACHMENT BRAVO

From 3 JULY to 8 JULY, DETACHMENT BRAVO was operating from the USS DETROIT. A total of four MQM-74C's were flown during this time frame, all for the USS DETROIT, and all were gunnex's. Two flights were made on 1 JULY with one being recovered. Target #20845 was lost after a fifty minute flight and five presentations. Operations on 3 JULY proved to be similar with target #20850 being lost.

The remaining portion of the month was spent at DAM NECK, where a total of 4 flights were conducted. The first three of these flight were on 15 JULY with targets #22167, 20901, and 22168 for VF-171. Targets #22168 and #22167 were operational losses after 49 minutes and 1 minute of flight respectively, the remaining target was recovered. A total of six presentations were made with six AIM-7 missiles being fired. Target #22123 was flown on 21 JULY for VF-101 for 24 minutes and was recovered.

DETACHMENT CHARLIE

During the month of JULY, DETACHMENT CHARLIE had various operations. On 2 JULY, QST-35 #50 was transferred to PAX RIVER, MD. The operations schedule called for an operation in GUANTANAMO BAY, CUBA, on 20-24 JULY, but was cancelled due to problems with firing ships armament. There was a drone recovery operation on 21 JULY. The chute had to be cut before the helo could complete the recovery. The 25th of JULY, saw the return of the USS RETRIEVER to LITTLE CREEK and, hopefully, the end of recovery operations with the SEPTARS.

DETACHMENT DELTA

DETACHMENT DELTA has been deployed with UNITAS XXI for the month of JULY. They operated on 12 & 13 JULY from the USS CAPODANNO. Two MQM-74C's were launched for a total of 78 minutes of flight time. Target #22040 was launched on 12 JULY and was hit and killed by a TERRIER missile from the USS DAHLGREN after 26 minutes of flight. Target #22141 flew on 13 JULY for 52 minutes and made 7 presentations for the AVR BRION. No missiles were fired, however, due to a failure of the ship's weapons system.

DETACHMENT ECHO

During the month of JULY, 1981, DETACHMENT ECHO deployed aboard the USNS ATAKAPA for operation OCEAN VENTURE II, from 20 JULY to 27 JULY, 1981. During this time frame, no operations were held due to adverse sea states and inclement weather.

CREW DEPLOYMENTS - 3
 TOTAL DAYS DEPLOYED - 59

MQM-74C	AUG 81		TOTAL FY 81		TOTAL FY 80	
	NO	%	NO	%		
LAUNCHES	40	-	121	----	87	----
SAT MISSIONS	25	62.5	92	76	73	83.9
SAT LAUNCHES	38	95.0	115	95	83	95.4
RECOVERIES	20	50.0	85	70	60	68.9
OP LOSS	11	27.5	24	20	12	13.7
HIT & KILLED	9	22.5	18	15	15	17.2

QST-35

LAUNCHES	1	41	5
SAT MISSION	1	41	5
OPS HOURS	3.5	143.1	38.6

QST-33

LAUNCHES	3	60	55
SAT MISSION	2	50	54
OPS HOURS	8.5	176	200.00

AGUST OPERATIONS SUMMARY

DETACHMENT ALPHA

During the month of August, Detachment Alpha was deployed to Sigonella, Sicily on the USS DETROIT (AOE-4). A total of 12 MQM-74C's were launched in support of US Sixth Fleet. Of these, five were hit and kills and four were recovered successfully. There were three operational losses. Total flight time was 363 minutes.

DETACHMENT BRAVO

The month fo August was used by Detachment Bravo for training and evaluating the new ITCS configured MQM-74C's. A total of three flights with these targets were made on the 5th of August for a total of 147 minutes of flight.

DETACHMENT CHARLIE

Detachment Charlie operated on 5 August in support of Detachment Bravo's ITCS operation. A total of 3.5 hours were logged by the det during this operation in the QST-35 Septar. Number 17 boat has been overhauled and transferred to Pax River, Md.

DETACHMENT DELTA

Deployed on UNITAS XXII onboard the USS CAPODANNO (FF 1093), Detachment Delta operated on 27 August in support of the USS CAPODANNO and the Constituicao. A total of three MQM-74C's were launched one which had to be recovered within minutes of launch. The two which did fly successfully logged a total flight time of 97 minutes. The Constituicao fired 5 Seacat missiles and both ships fired 5" 54's for a total of 24 rounds expended.

DETACHMENT ECHO

From 13 August to 21 August, Detachment Echo was deployed to Guantanamo Bay, Cuba, for QST-33 operations. Operations were held on 19 August for the USS SPRUANCE (FFG-963) with 1 presentation and no rounds fired, and on 20 August for the USS HART (FF-1093) with 3 presentations and a total of 37 rounds of high explosive shells fired. Total operating time was 6 hours.

DETACHMENT DAM NECK LAUNCH CREW

On 11 August the D/N launch crew launched five drones for VF-31/14/142. Two were hit and kills, one was an op loss, and the other two were recovered. The next day they launched a drone for VF-32/14/142. It was also recovered. A total of 9 Sparrows were expended during this two day period. On the 18th of Aug one drone was launched for VF142/32/31. One Sparrow was expended. From 24-26 August, eight drones were launched. Five were op losses and three were recovered.

CREW DEPLOYMENTS - 1
TOTAL DAYS DEPLOYED - 30

MQM-74C	SEP 81		TOTAL FY 81		TOTAL FY 80	
	NO	%	NO	%		
LAUNCHES	14	-	135	-----	87	-----
SAT MISSIONS	11	78.5	103	76.2	73	83.9
SAT LAUNCHES	14	100	129	95.5	83	95.4
RECOVERIES	5	35.7	90	66.6	60	68.9
OP LOSS	3	21.4	27	20.0	12	13.7
HIT & KILLED	6	42.9	24	17.7	15	17.2

QST-35

LAUNCHES	8	49	5
SAT MISSION	7	48	5
OPS HOURS	9.4	152.5	38.6

QST-33

LAUNCHES	8	68	55
SAT MISSION	6	56	54
OPS HOURS	17.9	193.9	200.00

MONTHLY SUMMARY (SEP)

15 - 16 SEP

CHARLIE OPERATED IN GUANTANAMO BAY CUBA SERVICING THE USS ACYWIN AND THE USS BARRY. CONTROL PROBLEMS PREVENTED A SUCCESSFUL OP.

15,16,17 SEP

MISSILEX AND DRONE FLY OVER AT DAM NECK, DET ALPHA AND DET BRAVO LAUNCHED 13 DRONES. THERE WERE 4 RECOVERIES, 3 OP LOSSES AND 6 HIT AND KILLS. A TOTAL OF 16 MISSILES WERE EXPENDED; 14 AIM 7'S AND 2 AIM 9'S.

21 SEP

UNITAS XXII OPERATED QST-33 SERVICING USS CAPODANNO, USS STUMP, USS DAHLGREN, ARA PY, ARA HERCULER, ARA PUNTA MEDANOS, ARA PIEDRA BUENA. 142 RDS OF AMMO EXPENDED. LAUNCHED A DRONE WHICH FLEW 15 PRESENTATIONS AGAINST GUNNERY.

25 SEP - 02 OCT 81
 DET BRAVO/DET CHARLIE IN GUANAMO BAY CUBA. USS SAMUEL EMMOTT MORRISON
 EXPENDED 2 RIM 66-B AND 160 ROUNDS OF BLP. USS AYLWIN EXPENDED 1 RIM-7E AND 84
 ROUNDS H.E-CVT. USS SHREVEPORT FIRED 88 ROUNDS H.E-PD. FLEW AND RECOVERED TWO
 DRONES. SANK ONE QST-35 SEPTAR.

13 OCT 81

DET ALPHA/DET BRAVO AT DAM NECK SERVICING VF-14. ALL THREE DRONES WERE
 UNSATISFACTORY.

16 OCT 81

DET ALPHA OPERATED AT DAM NECK SERVICING VF-31/11. 3 AIM 7E WERE EXPENDED.

UNITAS XXII

11 OCT 81

DET DELTA LAUNCHED ONE DRONE. THAT DRONE HIT AND KILLED BY A SEACAT MISSILE. A
 TOTAL 2 SEACAT WHD'S AND 28 RDS VTNF WERE EXPENDED. SERVICING THE USS
 CAPODANNO, USS STUMP, USS DAHLGREN, BYCH LATORRE, BYCH WILLIAMS, BYCH CONDELL,
 BYCH ZYNCH, BYCH ZENTENO, BYCH PORTALES.

21 OCT 81

DET DELTA LAUNCHED TWO DRONES FOR THE USS CAPODANNO, USS STUMP, USS DAHLGREN,
 BYCH WILLIAMS, BYCH CONDELL, BYCH LYNCH, BYCH ZENTENO, BYCH PORTALES. 3 SEACAT
 WHD, 1 NATO SEA SPARROW AND 142 RDS VTNF WERE EXPENDED, ALSO LAUNCHED TWO
 SEPTARS (QST-33'S). MISSION UNSAT; HOWEVER, 54 RDS VTNF WAS EXPENDED AGAINST
 THEM.

CREW DEPLOYMENTS - 2
 TOTAL DAYS DEPLOYED - 50

MQM-74C	OCT 81		TOTAL FY 82		TOTAL FY 81	
	NO	%	NO	%		
LAUNCHES	10	-	10	----	135	-----
SAT MISSIONS	7	70.0	7	70.0	103	76.2
SAT LAUNCHES	10	100.0	10	100.0	129	95.5
RECOVERIES	6	60.0	6	60.0	90	66.6
OP LOSS	3	30.0	3	30.0	27	20.0
HIT & KILL	1	10.0	1	10.0	24	17.7

QST-35

LAUNCHES	1	1	49
SAT MISSION	1	1	48
OPS HOURS	15.0	15.0	152.5

QST-33

LAUNCHES	0	0	68
SAT MISSION	0	0	56
OPS HOURS	0	0	193.9

Encl (2)

CREW DEPLOYMENT - 1
TOTAL DAY DEPLOYED - 30

MQM-74C	NOV 81		TOTAL FY 82		TOTAL FY 81	
	NO	%	NO	%		
LAUNCHES	15	-	25	-----	135	-----
SAT MISSIONS	11	73.3	18	72.0	103	76.2
SAT LAUNCHES	14	93.3	24	96.0	129	95.5
RECOVERIES	12	80.0	18	72.0	90	66.6
OP LOSS	2	13.3	5	20.0	27	20.0
HIT & KILL	1	6.6	2	8.0	24	17.7

QST-35

LAUNCHES	3	4	49
SAT MISSION	3	4	48
OPS HOURS	3.5	18.5	152.5

QST-33

LAUNCHES	5	5	68
SAT MISSION	4	4	56
OPS HOURS	15.5	15.5	193.9

MONTHLY SUMMARY (NOV)

05 NOV

DET ALPHA OPERATED AT DAM NECK. ONE DRONE WAS LAUNCHED; DESPITE JATO MISFIRE, IT WAS A GOOD FLYER. 2 SPARROW III'S EXPENDED. DRONE RECOVERED.

05 NOV - 14 NOV

DET CHARLIE OPERATED IN GUANTANAMO BAY, CUBA WITH QST-33'S PROVIDING SUPPORT FOR THE USS BOWEN, THE USS ELLISON, AND THE USS KING. 90 RDS OF AMMO EXPENDED.

08 NOV 81

DET DELTA, UNITAS XXII, LAUNCHED FOUR DRONES; NO MISSILES FIRED, ONLY SURFACE GUNNERY.

10 NOV 81

DET DELTA, UNITAS XXII LAUNCHED TWO DRONES. ONE ASPID MISSILE (WHD) FIRED; ALSO, 54 RDS VTNF.

17 NOV 81

DET BRAVO OPERATED AT DAM NECK. THREE DRONES LAUNCHED; ONE OP LOSS ITCS TRAINING, NO MISSILES EXPENDED.

18 NOV

DET BRAVO OPERATED AT DAM NECK TWO DRONES LAUNCHED. 2 SPARROW III'S EXPENDED.

17 NOV, 18 NOV, 19 NOV

UNITAS XXII

DET DELTA HAD QST-33 OPS SUPPORTING THE USS CAPODANNO, USS STUMP, USS DAHLGREN, BAC ALFARO, BAC MORAN, BAC GUAYAQUIL, BAC CUENCA, BAC MANTA. 60 RDS OF AMMO EXPENDED. THEY ALSO CONDUCTED A MISSILEX ON 17 NOV, ONE DRONE WAS LAUNCHED AND 38 RDS OF VTNF WERE EXPENDED. DRONE WAS A HIT & KILL. ON 19 NOV, TWO DRONES WERE LAUNCHED AND 114 RDS VTNF WAS EXPENDED. ONE DRONE AN OP LOSS, THE OTHER RECOVERED.

Enclosure (2)

CREW DEPLOYMENT - 3
 TOTAL DAY DEPLOYED - 31

MQM-74C	DEC 81		TOTAL FY 82		TOTAL FY 81	
	NO	%	NO	%	NO	%
LAUNCHES	13	-	38	---	135	---
SAT MISSIONS	9	69.2	27	71.0	103	76.2
SAT LAUNCHES	12	92.3	36	94.7	129	95.5
RECOVERIES	7	53.8	25	65.8	90	66.6
OP LOSS	2	15.4	7	18.4	27	20.0
HIT & KILL	4	30.8	6	15.8	24	17.7

QST-35

LAUNCHES	0	4	49
SAT MISSIONS	0	4	48
OPS HOURS	0	18.5	152.5

QST -33

LAUNCHES	1	6	68
SAT MISSIONS	1	5	56
OPS HOURS	4.5	20	193.9

MONTHLY SUMMARY (DEC)

1 DEC

DET BRAVO OPERATED AT DAM NECK FOR AN ITCS DEMONSTRATION LAUNCH; ONE DRONE SHOT, UNSAT FLIGHT DUE TO BAD TRACK AND INTERMITTENT TM'S. CHUTE DID NOT DETACH.

2 DEC

DET DELTA, ON UNITAS XXII, LAUNCHED ONE DRONE WHICH WAS HIT AND KILLED. ONE ASPIDE FIRED BY AVN BRION AND ONE TERRIER FIRED BY THE USS DAHLGREN.

3 DEC

DET BRAVO OPERATED AT DAM NECK. THREE DRONES WERE LAUNCHED, ONE WAS AN OP LOSS, ANOTHER WAS AN UNSAT LAUNCH WHILE THE THIRD WAS A GOOD FLYER. ONE AIM-7 FIRED.

3 DEC

DET ALPHA, ON THE USS SANTA BARBARA LAUNCHED FOUR DRONES FOR THE USS BELKNAP, USS PATTERSON, USS BLANDY, USS BRISCOE. ONE HIT AND KILL. TWO MISSILES FIRED, ONE STANDARD AND ONE AIM-7. ALSO, FIRED 5" VTNF.

4 DEC

DET CHARLIE OPERATED A QST-33 IN GUANTANAMO BAY CUBA. GOOD OP.

7 DEC

DET ALPHA, ON THE USS SANTA BARBARA LAUNCHED TWO DRONES; ONE OP LOSS AND ONE HIT AND KILL. ONE AEGIS MISSILE FIRED.

8 DEC

ON UNITAS XXII, DET DELTA LAUNCHED ONE DRONE FOR THE USS CAPODANNO, USS DAHLGREN, HMS AVENGER AND HNLMS OVERJISSEL.

22 DEC

ONE DRONE LAUNCHED FOR VF-32 ONE AIM-7 AND ONE AIM-9 SHOT. TARGET WAS HIT AND KILLED.

Enclosure (2)

12 JAN 82

VC-6 MQM-74C MISSILE/DRONE STATISTICS (CAL YR 1981)

MO.	OPERATIONS	HIT	HIT	MISSILES FIRED	MISSILE TYPES	MISSILE/DRONE
		OP & FLTS/LOSS/KILL (MO)	OP & FLTS/LOSS/KILL (CAL YTD)			
JAN	VF-171 (DN) SQT (USS AMERICA)	3/1/1	3/1/1	3/3	1-AIM 7 2-BPDMS	1.3
FEB	VF-101	1/0/0	4/1/1	3/6	3-AIM 7	3.0
MAR	TRANSLANT (MT BAKER) GITMO MISSILEX VF-31 (DN)	10/1/0	14/2/1	13/19	11-STAND	6.1
APR	VF-101/VF-14	4/0/0	18/2/1	13/32	13-AIM 7	10.6
MAY	VF-11/VF-32 (DN) COMTUEX 2-81 (USS SEATTLE) HAWKEX (CAMP LEJUENE)	10/2/1	28/4/2	18/50	4-AIM 7 6-STAND 8-HAWK	8.7
JUN	VF-14 TRACKEX (DN) VF-14/31 AIM-9L (DN) PICNIC (DN) UNITAS XXII DETROIT (OOM 4-81)	16/0/1	44/4/3	12/62	4-5" 54 CAL 4-AIM 7 7-STAND 1-TERRIER	9.0
JUL	UNITAS XXII VF-101 (USS CLARK FFG-11) VF-171 VF103/31 DETROIT	14/3/3	58/7/6	19/81 30/111	1-TERRIER 3-AIM 9 14-AIM 7 1-TARTAR	6.2
AUG	ITCS TRNG DETROIT (OOM) VF-31/14/142/ 32 VF-142/32/31 VF-101/32 UNITAS XXII	37/8/8	95/15/14	37/118	9-STAND 9-AIM 7 2-AIM 9 12-5" 54 CAL 5-SEACAT 2-ASPIDE WHD	4.1

12 JAN 82

MO.	OPERATIONS	HIT	HIT	MISSILES FIRED	MISSILE TYPES	MISSILE/ DRONE
		OP & FLTS/LOSS/KILL (MO)	OP & FLTS/LOSS/KILL (CAL YTD)			
SEP	UNITAS XXII VF-101/14/ 171/103/11	14/4/6	109/19/20	16/134	14-AIM 7 2 -AIM 9	3.4
OCT	MISSILEX/ GUNNEX GTMO (FTG) VF-14 UNITAS XXII VF-11/31	9/3/1	118/22/21	12/146	2- RIM 66B 1-RIM 7E 5-SEACAT WHD 1-NATO SEA SPARROW 3-AIM 7E	3.4
NOV	UNITAS XXII VF-14 (DN) VF-171 (DN) ITCS TRNG	15/2/1	133/24/22	6/152	1-TERRIER 1-ASPIDE WHD 4- AIM 7	3.3
DEC	VF-32 (DN) USS SANTA BARBARA UNITAS XXII VF-14 (DN)	13/2/3	146/26/25	10/162	3-AIM 7 1-AIM 9 3-STAND 1- RIM 7 SEA SPARROW 1-TERRIER 1-ASPIDE	3.2

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Enclosure (3)