8/21/20

547 Sig Tp AFPO 4 GPO Sydney NSW 2890 3 Jun71

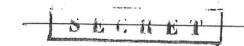
MONTHLY A R D F REPORT

Enclosed are the ARDF reports for the period O1 - 31 May 1971 inclusive.

(J.E. Fenton) Capt OC 547 Sig Tp

SECRET

49/87



FLYING HOURS FOR MAY 1971

PERS	CNNEL	*	HOURS 1	PLONN	PROGRESSI	VE TOTAL
WO1	Ruscell	8 (s s	10:00		42115	
Segt	Howell	y	32:50		33:50	
Sgt	Abrahamson		13:45		226:45	
Sig	Hunter		34130		137:15	
Sig	Simpson		34:15		85:20	
sig	Arday		34:20		54:50	
Total	l hours flow	nt	159:40			

Movement of Personnel

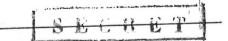
To main setroom ex R&R 02Jun71 Sgt Abrahamson R&R 25Ney71.

Reduced/Aborted missions due to inclement weather

9	May	PM mission - reduced.	
	May	AM mission - reduced	
	May	FM mission - reduced	
	May	AM mission (No 1) - reduced	
	May	AM mission (No 2) - aborted.	

Reduced/Aborted missions due to equipment/aircraft fail

- 13 May AM mission abort equip malfunction 16 May PM mission abort equip malfunction 25 May PM mission abort equip/afct malfunction 26 May AM mission abort equip malfunction 26 May PM mission abort equip malfunction



SECHET

TESTS EMPLOYED AGAINST D445 and OTHER TARGETS

- Because of the apparent sensitivity of D445, HQ BALONG, 3/33 Regt and to a lesser degree the other targets in our AO, the following systems have been tested and employed over the latter part of the month:
 - a. Varying heights of operation. This proved ussuccessful from 500-1500 feet as it entailed having to get too close to the target to obtain a workable picture. 1500 feet and above has proved satisfactory, although it was noticed that at 4000 feet there was a tendency to cut the sky wave rather than the ground wave of the target.
 - b. Varied target timings and varied runs. This involved the following methods. Only the apparent disadvantages of each method are mentioned.
 - (i) Standing off from the selected start point until the commencement of the sked, then flying through the start point to the finish point and leaving the area immediately.

 Disadvantages:

There is no second run if the first run proves unsatisfactory. Difficulty in determining an accurate finish point.

(ii) Flying two, three and four legs around the target, cutting the target on each leg as often as possible, and leaving the area immediately the final finish point has been passed.

Disadvantages:

Great difficulty in determining accurate start and finish points at the beginning and end of each rum.

Too long in the target area.

Can lessen the time available to travel to the next target, which could be some distance away.

(iii) Early and late arrival at the target's location. Disadvantages:

Brief activity of the target at sked time could result in a non fix. Early arrival could alert the terminal and cause him not to meet his sked.

- c. Decoy aircraft. A decoy aircraft is often employed to fly in the target area making runs similar to those of the ARDF aircraft, either before or after the ARDF aircraft has been in the area. This aircraft is also used in the area out of sked time and at irregular intervals as an added deception.
- 2. The following factors are taken into consideration in determining the above runs, a record of which are held by the SPO.
 - a. The power of certain transmitters.
 - b. The types of aerial systems employed if known.
 - c. The terrain.
 - d. The past reaction by targets to aircraft in their area.
- 3. It is yet too early to assess the value of these methods and whether the targets are at all deceived as to our intentions. However, it has been noticed that HQ BALONG seems to pay less attention to aircraft in the area than in the past.

SECHET

Break	down	of	ARDF	results

SECRET

		1					ولنقسان	ts blans minais.		r		2
j	DATE	TIME	IDENT		GOOD	FAIR	POOR	CUT	GRID RE	ERENCE	RADIU	<u>is</u> ·
1	A STATE OF THE STA	Andrika 12 Fr	-		*participation and	-		Constitution	70E[703]	2	1000	
	Ollay T	032	B4165		3	x			YS56392		1000	
1		0745	MO094			X		and:			0000	
	02	00100	NO135					×	YT98515	f (¥
		0035	B4165		K				YS55387		0750	
		0105	MO094		11, 2	×			YT56902		1000	i i i facción i
		0810	M0135			×	* *		YT98817		1000	
		0840	M1523		,	x	i	3 (4)	YS515939		1000	
		2300	M1523		X				¥\$52690		0750	
	03	0005	MO084			x		11:1 4	YT361060		1000	
		0037	B4165	4	×			, ,	¥8543876		0500	*
		0210	110094	÷.	x	w.			YT604014		0500	
		0805	M5908	2 72.8	x				¥830661		0500	1
		2305	M1523	1.7		X	1.4		Ys573929	5	2000	
	04	0213	M0094			X		1	YT578018	3	1500	
		0645	M1523		×				YS535942	2	0750	4.
	05	0712	M0094	,		X			YT605038	3	1000	
		2080	и5908			x		, a , A	YS239614		1000	1
		0832	M1523		1	K			¥8525920		1500	
		0839	B4165			x			¥843896		2000	
		2305	M1523	Y		x	×	. 14.5	YS54892		1500	
		2312	MO094	, , , ,	z 8	x		,	YT61405	À	2000	
		2340	U/I			x			YS457964		2000	
9	06		B4165			X			YT47503	1 Sept.	1500	
	00	0035	E0809		sintre	A			YS525920	1	0500	
1	4-	0155			x			*	YS583987		1000	5.
· Eur		0706	M0094		. A	x						
TOA		2306	M1523		X	dia.			Y8525903	Will flow	2000	5
	07	0006	B4024	,	Super Co.	×		IX.	¥\$469484	MALERY		
3. A. G.E.		0834	N1523		X				YS529886	1 14 10	0750	
- 1.	_	2306	M1523			x			¥8518955)	1500	
	08	0036	B4165			X			¥8422915		1000	American Lab
		0815	M0135	Arre	7	X			21097241		1000	(ZI097241)
	2209	2308	M1523			×			18520931		2000	
	10	0005	B4223			X	154 9		YS224875		1000	The same of the sa
		0024	M0084			×	4		YS286963		1000	1
		0706	M0094	,		×	State of		¥8579979		2000	1
		2305	M1523	1,		X			¥8518922	!	1000	19 11 11
	11	0003	B4888					X	¥¥748118		0000	14 . 1 12
		0203	M0094			×			YS619998	1/	1000	1. 1. 1. 1. 1.
		0735	E1427			×			¥8822935 # ##88 555	i	2000	11 1
		0825	M4000	1		x			HTERRESE			YT288092 1500
		2306	M1523			x			¥8576944	·	1500	
	12	0002	M0084			x			YS335995		1500	19/4
		0203	M0094	:	6.47	x	2 1 mg	la "	¥8684991	,	1000	1 1/2
		0236 MS	800		. :	x		¥\$2766	04	ň	2000	1 - 1 - 24 -
		0736	E1427	1. ;	11	32			¥8820955	j j	1500	1 11
			B4024	:		X			Ye473518		1500	
	13		E1427			×			¥5826927	,	1500	
	12		B4024			x			¥8463488		1500	
	14		M0094			×			TT 649014		1000	1
	4.4	0320	B5294			×			¥8852926		1500	1
			M0094			x			YT621022		1000	1 1 1
			M0094						YT345022		1500	
		2334	MUUY4		1	×			A STOUCE	•	.,,,,,	1 his
										ad .		mallad
							G	IT O	(a) 10 (5)		i	5218/
							3	E C	RET	1		710.
						, 1		Daniel Control of the			· .	1 60

							• /	,	
DA!	CE TIME	IDENT.	GOOD	FAIR	POOR	CUT	GRID REFER	NCE RADIUS	
15	6012	B4223	.4				man land	6.53	
1	0012	B4165		×			YS194856	2000	
N.	0037		4.5	×			YS498949	2000	
*	0106	M0094	100	×			¥8639987	2000	
H.	0140		DK.	×			YS520945	1500	
*	08 36			3E			YS532932	1500	
16	0210			X			YT610027	1500	
H	0303	E0183		X			ZT017234	1500	
)	0336	E1427		×			YS855943	1000	
)	0405			X	. *		YS465493	2000	
17	0510	M0084		×			¥T338019	2000	
18	0710	M0094		×			YT658016	1000	
	0910	B4024	· ·	K			YS478502	15000	
19	0105	м0094		X			YT656012	1000	
20	0735	E1427	SE.				18861927	0750	
ń	0835	B4165		X			Ys453955	1500	
i i	0907	B4024	30				¥\$469483	0750	
21	9010	B4223		X			18247891	1500	
11	0512	B4025		X			YT543214	1500	
j .	2320	N1523		×			18528918	1500	
22	0735	E1427		K			Y8853936	1000	
23	10							1000	
23	0136	E0809		x			18555942	1500	
į.	0110	P0569		K			TT813160	2000	
9	0238	U/I		H			YS858939	1000	
24	0272	E0809		x			YS526935	2000	
	0235	E1427		x	,	YS8539	132	1000	
	0810	M0093	×		,		YS417922	0750	
	1005	B4223		×			TS239874		
/	2305	N1523		K			YS544914	1000	
1.	2335	E1860				Z ·	YT260205	0000	
25	0005	B4223	· .	×		6.	IS258867	2000	
	0050	U/T		x				4500	
	2305	U/I MGGG4		x			TT691023	1500	
	2305	M1523		A :		Ė	112523	0000	
	2335	MO084					YS513942	0000	
26	2333	M0084		x x 4			YT329002	1000	
27	0010	B4888		z v			YT289016	2000	
am t	0702	M0094		X .			YT566171	2000	
	0805	E0809		E.			YT662023	1500	
	0840	B4165	X I	• 1			YS508913	1500	*
	0905	B4024		-		,	Y6494954	0750	,
28	0135	E0809		K.			YS485512	1000	1
	0703	M0094		C.			YS544965	1500	
-	0740	E1427		C.		*	YT619028	1000	
	0820	M4000		t			YS855925	1000	
29	8820	M0093	X I				YT315059	0750	:
	1010	B4223	3				TS436905	2000	
30	0810	H0093	2				YS205889	1000	
20			3				YS395879	1000	
	0837	B4165 B4024	3				YS519933	2000	
	0700	DTUCT	20	•			78494536	2000	
3 1	0003	M0135					WEED2400	-	
* 2	300)	en 199		x			YT583189	1500	أستو
,					0	E C	BET		5
				***************************************		JU	- C - L - L	100	

SECHET

GRADING OF BEARINGS (RADIDE)

GOOD

0500-0750 metres

FAIR

1000-2000 metres

POOR

2000- and over

CUT

Area indication only. Radius indicated by 0000

BREAK-DOWN OF RESULTS

GOOD

14

FAIR

83

POOR

CUTS

TOTAL

(Last month total = 91)

(Note that the number of GOOD class cuts is down by a total of 11)