



(a) Unit Re	porting	T-45	(b)	Based on or	at U.S.	S. SAN				ort No. 13	
d) Take of	ff: Date 21	January	1945	_Time (LZT	133	5	_(Zone); L	at. 22 -	58 N	Long. 12	a 80- 8
e) Mission	Bomb St	ipping a	t Takao,	Formosa.				f) Time o	f Return	1720	(Zone
			IALLY COVI		HIS REPO	RT.					
TYPE	SQUADRON	TAKING	NUMBER	ATTACKING			AND TORPEDOE	5		FUZE, SETT	ING
(a)	(b)	OFF (c)	ENEMY A/C	TARGET (e)		CARRIE	(f)		Mana	(g)	
M-le	VT-45	1		1	Four	500#	G.P.		Nose	.025	
TBM-3	VT-45	5		5	Four	500#	G.P.		Mose Tail	and the same of th	
						**		,			
III O	THED II C	OP ALLIE	D AIRCRAFT	EMPLOYED) IN THI	CODED	ATION				
TYPE	SQUADRON	NUMBER		BASE		TYPE	SQUADRON	NUMBER		BASE	
16F-5	VF-45	12	U.S.S. S.	an Janiini							
	NEMY AIRC	CRAFT OBS	ERVED OR E		7 .	ircraft		·			
TYPE	NO. OBSERVED	NO ENGAGIN OWN A/C	G TIME ENCOUNTERE	LOCA	(e) TION OF DUNTER		BOMBS, TORPEI GUNS OF	DOES CARRIED BSERVED);	CAMOUFL	AGE AND KING
		- 44	(ZON	(E)	,						
			10 No								
			(ZON	(E)					1		
	1		(Z0N	(E)							
Did Any Encount Time of	nt Enemy My Part of ter(s) Occur Day and Bron Moon —	ir in Clouds	(YES OR NO)				(BASE IN	FEET, TYPE(k) Visi		HS OF COVER	
			ROYED OR	DAMAGED I			Aircraft Lis	ted in 11 C	nly).	(MIL	ES)
(a) TYPE ENEMY A/C		SQUADRON	Τ	T OR GUNNER		GUNS L	JSED	WHERE	(c) HIT, ANG	SLE	(d) DAMAGE CLAIMED
	1000										

RESTRICTED (Reclassify when filled out)

VI. LOSS OR DAMAGE, COMBAT OR OPERATIONAL, OF OWN AIRCRAFT (of those listed in II only).

(a) TYPE OWN A/C	(b) SQUADRON	CAUSE: TYPE ENEMY A/C, TYPE GUN, OR OPERATIONAL CAUSE	WHERE HIT, ANGLE (List armor, self-sealing tanks, equipment hit)	(Give Bureau serial number of planes destroyed)
None				
	70 M			
	3 7 7 7 7			
		.0		
	J. S. C.			
	7577515			
,				
3				
4				

VII. PERSONNEL CASUALTIES (in aircraft listed in II only; identify with planes listed in VI by Nos. at left).

	b) ADRON	(c) NAME, RANK OR RATING	(d) CAUSE	(e) CONDITION OR STATUS
No	me			
			,	
-				
-				

VIII. RANGE, FUEL, AND AMMUNITION DATA FOR PLANES RETURNING (h) NO. OF PLANES RETURNING (g) TOTAL AMMUNITION EXPENDED AV. FUEL CONSUMED (e) AV. FUEL LOADED AV. HOURS IN AIR (c) MILES RETURN (b) MILES OUT (a) TYPE MM **20MM** A/C 357 252 150 135 TEM-lo 50 208 3Hrs.50M 300 150 135 TEM-3

IX. ENEMY ANTI-AIRCRAFT ENCOUNTERED (Check one block on each line). INTENSE MODERATE MEAGER NONE CALIBER HEAVY — Time-fused shells, 75mm and over MEDIUM — Impact-fused shells, 20mm-50mm LIGHT — Machine gun bullets, 6.5mm-13.2mm

X. COMPARATIVE PERFORMANCE, OWN AND ENEMY AIRCRAFT (use check list at left).

SPEED, CLIMB, at various altitudes

TURNS DIVES CEILINGS RANGE PROTECTION

ARMAMENT

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(OMIT THIS SHEET IF NO ATTACK WAS MADE)

SECRET

DEDORT	No	13	

and the second s	No. of Contract Contr		(a) \	Visibility 2	O MILES)
Visibility of Target	CLEAR, HAZ	Y, PARTIALLY OBSCURED	BY CLOUDS, ETC.)		(MILES)
Bombing Tactics: Type	Glide Boml	CEVEL, GLIDE OR DIVE	Bomb Sight U	sed	3500 to
Bombs Dropped per Ru	n	Spacing 2	5 Pt. and Select Altitude	of Bomb Rel	ease 5000 Feb.
				*	_ Damaged
Number of Enemy Air	craft Hit on Grou	und: Destroyed	Probably Destroyed	None	_ Duringed
(h)	DIMENSIONS OR	(i) NO. A/C ATTACKING	BOMBS AND AMMUNITION EXPENDED, EACH AIMING POINT	(m) NO. HITS On Aiming Point	DAMAGE (None, slight, serious, destroyed or sunk
Sugar Baker,	- About	(k) SQUADRON			Direct Hit
Takao Harbor	2500 Tons	VT-45	4	1	Serious
Fox Tare Charlie	About	1		7	Direct Hit Serious
Storage Bldg. at	4000 Tons	VT-45	4		
base of main qua	The state of the s	VT-45	2	1	Destroyed
Takao					"
					Serious
Merchanse area	1000 Feet	1		_	
Warehouse area West side	1000 Feet I 500 Feet	VT-45	4	4	Fire Started

- (O) RESULTS: (For all hits claimed on ship targets and for land targets of special interest, draw diagram, top or side view or both, as appropriate, showing type and location of hits. For all targets give location and effect of hits, and identify by numbers above. Use additional sheets if necessary).
- A) A previously undamaged Sugar Baker was anchored in middle of Takao inner harbor about 1500 yards inside the entrance. Several small Ak were at anchor nearby, some of which had been damaged previously. Lieutenant W. J. Van Hoven made a glide bombing run on this Sugar Baker from the Northeast dropping his four 500# G.P. bombs select. The first three hit the water before reaching the ship and the fourth hit it squarely amidships. A large explosion and much smoke resulted. (Confirmed by several photographs, one of which is attached hereto as Exhibit "A".)
- B) A previously undamaged Fox Tare Charlie at anchor in Takao Harbor about 1000 yands inside entrance was directly hit about 20 feet aft of amidships by a 500# G.P. bomb dropped by Ensign J. L. Mason. Smoke was seen pouring from area hit after the attack. (Confirmed by photo.)
- C) Seeing that the few ships in harbor were already hit or under attack, knsign J. H. Laughlin dropped three 500# G.P. bombs on the storage buildings at base of main quay at Takao. At least one bomb hit one of these buildings squarely and started a large fire. This hit is confirmed by photograph.

(p) Were Photographs Taken?Photographs of Damage, When Taken, Should be Attached by Staph	(p)	Were Photographs	Taken?	Photographs of Damage,	WhenTaken,	Should Be	Attached By	Staple
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XI. ATTACK ON ENEMY SHIPS OR GROUND OBJECTIVES.

D) Lieutenant (j.g.) G. P. Robinson dropped his four bombs on the warehouse area on the spit of land which forms the western boundary of Toshien Harbor. All four bombs hit the concentration of buildings and a large fire was started. It is not known how many buildings were destroyed as the fire was still growing as the planes left the area and a great deal of smoke was coming from the fire.

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XII. TACTICAL AND OPERATIONAL DATA. (Narrative and comment. Describe action fully and comment freely, following applicable items in check list at left. Use additional sheets if necessary.)

ENGAGEMENT WITH ENEMY OWN AIRCRAFT

Altitudes
Speeds
Approach Tactics
Use of Cover, Deception
Angles of Attack and
Their Effectiveness
Distance of Opening Fire
Defense Tactics and
Their Effectiveness

ENEMY AIRCRAFT

Method of Locating, Distance Disposition Altitudes Speeds Approach Tactics Use of Cover, Deception Angles of Attack Distance of Opening Fire Defensive Tactics

COMMENTS AND RECOMMENDATIONS

Own Weaknesses
Enemy Weaknesses
Offensive Tactics, Own
", Enemy
Defensive Tactics, Own
", Enemy
Flexible Gunnery, Own
Escort Tactics
Fighter Direction
Use of Radar
Night Fighting
Recognition, Aircraft

ATTACK

OWN TACTICS

Method of Locating Target
Approach to Target
Altitudes, Speeds
Approach
Dive
Pull-Out
Dive Angle
Strafing
Retirement
Defensive Tactics
Use of Jamming

DEFENSE, ENEMY

Evasive Tactics, Ships Concealment Searchlights Night Fighter Tactics Use of Jamming

COMMENTS AND RECOMMENDATIONS

Bombing Tactics
Torpedo Tactics
Effectiveness of
Bombs, Torpedoes
Selection of Targets
Fuzing
Strafing Tactics
Defensive Tactics
Use of Radar
Reconnaissance
Photography
Briefing

OPERATIONAL

Navigation
Homing
Rendezvous
Recognition, Ships
Communications
Flight Operations
Search and Tracking
Base Operations
Maintenance

This attack on shipping and installations in the Takao and Toshien harbor area was made in the face of intense heavy and medium anti-aircraft fire. "Window" was dropped by all planes to confuse radar fire control while over the target area. This was apparently effective as accompanying pilots reported seeing bursts of heavy A/A fire below and behind the planes which trailed them as they went in to attack but never caught up with them. The puffs of smoke given off by this A/A were blue, black and red and they appeared as high as 11,000 feet. No plane was hit.

The planes, piloted by Lieutenants Van Hoven and Rieck, Lieut.(j.g.) Robinson, and Ensigns Laughlin, Lennox and Mason, made their approach at 11,000 feet, dropped at an average altitude of 5000 feet and pulled out at an average altitude of 4000 feet. The average glide angle was 40° and the average speed during glide was 310 knots.

XIII. MATERIAL DATA. (Comment freely on performance or suitability, following check list at left. Use additional sheets if necessary).

ARMAMENT

Guns, Gunsights Turrets Ammunition Bombs, Torpedoes Bomb Sights Bomb Releases

COMMUNICATIONS

Radio, Radar Homing Devices Visual Signals Codes, Ciphers

RECOGNITION

IFF Signals Battle Lights Procedures

PROTECTION

Armor; Points and Angles of Fire Needing Further Protection Leak Proofing

EMERGENCY EQUIPMENT

Parachutes Life Belts, Life Rafts Safety Belts Emergency Kits Rations, First Aid

NAVIGATIONAL EQUIPMENT

Compasses Driftsights Octants Automatic Pilots Charts Field Lighting

INSTRUMENTS

Flight Power Plant

OXYGEN SYSTEM

CAMOUFLAGE AND DECEPTION DEVICES

STRUCTURE

Airframe Control Surfaces Control System Dive Flaps Landing Gear Heating System Flight Characteristics At Various Loadings

POWER PLANT

Engines Engine Accessories Propellers Lubricating System Starters Exhaust Dampers

HYDRAULIC SYSTEM

ELECTRICAL SYSTEM

Auxiliary Plant Lights

FUEL SYSTEM

FLIGHT CLOTHING

MAINTENANCE

BASE FACILITIES

Plane Servicing Equipment Personnel Facilities

REPORT PREPARED BY:

The one TBM-lc one this strike was equipped with one auxiliary wing gas tank, holding 57 gallons of gas. This extra fuel has been found necessary to enable the TRM-le to fly with the TEM-3 planes at their best speed and climb. The suction system on this tank worked satisfactory on this strike, although it has not always done so on previous strikes.

APPROVED BY:

Malcolm I. RUDDOCK. SIGNATUREA.O.I. Officer

RANK AND DUTY

SIGNATUR COMMANDING Officer

RANK AND DUTY

DATE



- 1) Employees of Lieut. Van Hoven's fourth bomb on Sugar Baker.
- 2) Fox Tore Charlie on fire after hit by book dropped by English Lance.
- 9) Burning storego building hit by bond dropped by Englen Laughlin.