

~~SECRET~~  
**RESTRICTED**



# Tactical Mission REPORT

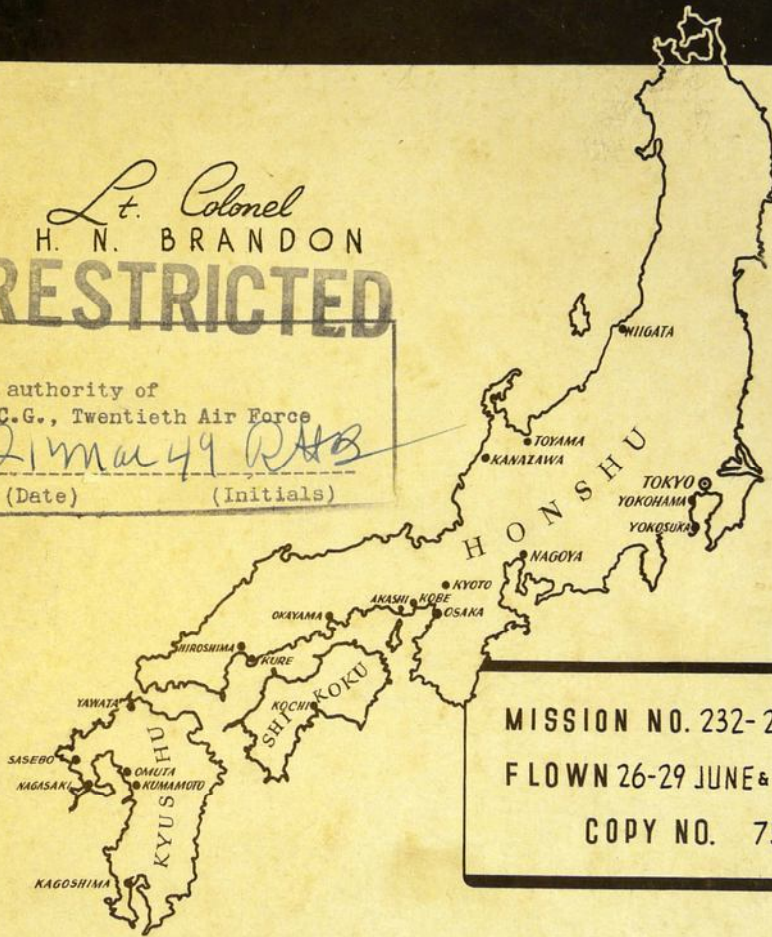
*Lt. Colonel*  
H. N. BRANDON

**RESTRICTED**

By authority of  
C.G., Twentieth Air Force

*21 May 49 RAB*

(Date) (Initials)



MISSION NO. 232-238-245

FLOWN 26-29 JUNE & 2 JULY '45

COPY NO. 75

**HEADQUARTERS  
XXI BOMBER COMMAND  
APO 234**

7-55-54

CONFIDENTIAL  
**RESTRICTED**  
~~SECRET~~

HEADQUARTERS  
XXI BOMBER COMMAND  
120 1st

TACTICAL MISSION REPORT

This report covers the first 3  
missions of the 315th Bombardment Wing,  
(XXI Bomber Command Missions No. 232,  
238, and 245).

FOREWORD

This report covers the first 3  
missions of the 315th Bombardment Wing,  
(XXI Bomber Command Missions No. 232,  
238, and 245).

\*\*\*\*\*

Missions Number 233, 239, and 244  
were Mining Missions and will be the  
subject of a Tactical Mission Report  
which received only limited distribution.

\*\*\*\*\*

Missions Number 234 and 237 will be  
covered in one Tactical Mission Report,  
as will Missions Number 240 through 243.

DECLASSIFIED  
Authority NNP-H 5005  
By [Signature] NARA Date 5/14/11

HEADQUARTERS  
XXI BOMBER COMMAND  
APO 234

TACTICAL MISSION REPORT

Field Order Nos. 90,92 and 94

Missions No. 232,238 and 245

Targets: Utsube River Oil Refinery (90.20-1684), Nippon Oil Company (90.32-672), and the Maruzen Oil Company, Shimotsu (90.25-1764).

26, 29 June and 2 July 1945

Table of Contents Page No.

Tactical Narrative . . . . .	1
Annex A - Operations . . . . .	9
Part I - Navigation Track Chart. . . . .	10
Part II - Flight Engineering Chart . . . . .	11
Part III - Radar and Radar Photos. . . . .	12
Part IV - Gunnery. . . . .	17
Part V - Air-Sea Rescue Chart. . . . .	18
Annex B - Weather. . . . .	21
Part I - Weather Summary. . . . .	22
Annex C - Communications . . . . .	23
Part I - Radar Counter Measures. . . . .	24
Part II - Radio. . . . .	24
Annex D - Intelligence . . . . .	26
Part I - Enemy Air Opposition. . . . .	27
Part II - Enemy Antiaircraft. . . . .	27
Part III - Damage Assessment . . . . .	28
Annex E - Consolidated Statistical Summary . . . . .	30
Annex F - XXI Bomber Command Field Order . . . . .	47
Annex G - Distribution . . . . .	57

Prepared By:

A-2 Section  
XXI Bomber Command

DECLASSIFIED  
Authority NMPH 5005  
By [Signature] NARA Date 5/14/11

S E C R E T

.....  
: S E C R E T :  
: By Auth. of the C.G. :  
: XXI Bomber Command :  
: 2 Jul 45 :  
: Date Initials :  
:.....

HEADQUARTERS  
XXI BOMBER COMMAND  
APO 234

2 July 1945

SUBJECT: Report of Initial Operations, 315th Bombardment Wing, 26  
June, 29 June, and 2 July 1945.

TO : Commanding General, Twentieth Air Force, Washington 25, D.C.

1. SPECIAL EMPLOYMENT OF 315th BOMBARDMENT WING AIRCRAFT:

a. Originally, it was planned to assign targets to the 315th Bombardment Wing on the same basis as those assigned to the other 4 Wings (58th, 73rd, 313th, and 314th) of this Command. However, after thorough consideration of the 315th Wings' operational capabilities and limitations, this arrangement was found to be unsatisfactory.

b. The aircraft of the 315th Wing had been stripped of all defensive armament but the tail turret on the theory that a B-29 flying at an altitude of 35,000 feet or higher could not be successfully attacked by fighters except from the rear. The other important operational difference of this Wing from the other 4 Wings was the installation of APQ-7 airborne radar in this Wing's aircraft instead of the APQ-13 which is carried by aircraft of the other Wings. The APQ-7 was designed primarily for bombing, having excellent definition but only 60 degrees of sweep, whereas the APQ-13 was designed primarily as a navigational aid, having 360 degrees of sweep but relatively poor definition.

c. The 315th Wing could, and was trained to bomb from extremely high altitudes in daylight. However, when this Wing arrived in the theatre, a study of the experiences of the other Wings revealed the advisability of operating at night from medium altitudes rather than during daylight hours from higher altitudes. This plan was expected to result in greater operational efficiency of the aircraft in addition to the carrying of bomb loads greater than those carried by the other 4 Wings. Furthermore, it was decided that in order to acquire an estimate of the capabilities of the APQ-7, which was being used for the first time in B-29 combat, the 315th Wing should be assigned its own targets.

d. Coincident with this decision, intelligence indicated that the importance of oil refining and oil storage targets was increasing. These targets were all relatively large, increasing their radar-visibility, and were located on or near the coast, a condition which had been found to be almost essential for attack by APQ-7 equipped aircraft because of the limited capability of this set for inland navigation. It was decided, therefore, that the first series of attacks of the 315th Wing would be confined to strikes against oil refineries and oil storage installations.

2. IDENTIFICATION OF MISSIONS:

a. Field Orders Number 90, 92, and 94, Headquarters XXI Bomber Command, dated 25 June, 28 June, and 2 July respectively, directed the 315th Bombardment Wing to participate in medium altitude night attacks against 3 oil refineries on Honshu in XXI Bomber Command Missions Number 232, 238, and 245.

DECLASSIFIED  
Authority NPH/soos  
By NARA Date 5/11/11

S E C R E T

b. Targets Specified:(1) Primary Targets:

<u>Mission</u>	<u>Target</u>	<u>Force Assigned</u>
232	Utsube River Oil Refinery (90.20-1684)	36 aircraft
238	Nippon Oil Co., Kudamatsu Plant (90.32-672)	36 aircraft
245	Maruzen Oil Refinery, Shimotsu (90.25-1764)	36 aircraft

(2) No other targets were specified.

3. STRATEGY AND PLANS OF OPERATIONS:

a. Strategy: The primary purpose of these attacks, the first to be conducted by the 315th Wing against the Japanese mainland, was to determine the accuracy against precision targets that could be expected by the employment of a radar synchronous bombing technique with the APQ-7 radar equipment. Because of the limited armament (315th Wing aircraft are equipped with tail guns only), it was planned that the attacks would be made at night when little, if any, enemy aircraft opposition would be encountered. Although these night attacks would necessitate bombing by individual aircraft, it was considered that this would not influence bombing accuracy since a radar synchronous bombing procedure was to be used by each aircraft participating on the missions.

b. Importance of the Targets:

(1) Mission 232: The Utsube River Oil Refinery is located approximately 2 miles southeast of the town of Yokkaichi on the north side of the mouth of the Utsube River. Originally on a par with the oil production centers of Tokuyama and Otaka, this target now ranks first as a center of aviation gas production in Japan proper. These installations include facilities for synthetic oil refining (estimated at 37 per cent of Japanese synthetic production), natural oil refining (very important but output is not known), production of tetra-ethyl lead (estimated at 25 per cent of total Japanese production), and extensive oil storage.

(2) Mission 238: The Kudamatsu Plant of the Nippon Oil Company is located southwest of the city of Kudamatsu which is approximately 5 miles southwest of Tokuyama on the Inland Sea. This plant is considered to be the fourth largest oil refinery in the Japanese inner zone and has an estimated annual refining capacity of 2,500,000 barrels and a cracking capacity of 666,000 barrels. It has an estimated storage capacity of 200,000 barrels.

(3) Mission 245: The Maruzen Oil Refinery, Shimotsu, is located near the south entrance to Osaka Bay, 4½ miles southwest of Kainan and 3 miles northeast of Minoshima. An important refinery and oil storage center for the Japanese Navy; this target is credited with the production of aviation gas, lube oil, gasoline, and fuel oil and has facilities for storage of both crude oil and refined products. A unit of this plant may be engaged in the manufacture of steel drums.

c. Details of Planning--Operational:(1) Bombing Plans:(a) Determination of Bomb Load:

1. For use against the Utsube River Oil Refinery (Mission 232) and the Maruzen Oil Refinery, Shimotsu (Mission 245), all

aircraft were to be loaded with 500-pound general-purpose bombs fuzed .025-second delay nose and non-delay tail. The 500-pound bomb was selected since these installations are of both refinery and storage type and are well dispersed within the areas of the targets. The larger number of bomb hits which would be inflicted by the use of this size bomb was expected to result in maximum damage to both manufacturing and storage facilities. Since the .01-second delay fuze was not available, the .025-second delay fuze was selected as an alternate nose fuzing. It was believed that this delay would give bomb burst just above floor level and should be very effective against the refinery and shop installations. The non-delay tail fuze was selected in order that ground-level burst would be given to near miss bombs by which maximum blast and fragmentation effect would be obtained against the refinery installations which constituted the major facilities in each target. Since the majority of storage tanks in each target area were small, it was believed that impact initiation of the non-delay fuze would result in sufficient force to destroy the tanks receiving direct hits. For this reason, delay fuzing, which would allow penetration, was considered unnecessary.

2. For use against the Kudamatsu Plant of the Nippon Oil Company (Mission 238), all aircraft were to be loaded with 500-pound general-purpose bombs fuzed .1-second delay nose and .01-second delay tail. This bomb was selected for use on this target for the same reason as that given for the other 2 targets. The .01-second delay tail fuze was selected as it would allow penetration of the bomb, beneath the tank tops, to a sufficient depth to assure detonation below the contents level, resulting in maximum damage to the installation. The .1-second delay nose fuze was selected as an assurance fuze only.

(b) Bombing Data: Bombing altitudes, axes of attack, initial points, anticipated drift, and other pertinent bombing data for these 3 missions were to be as follows:

	<u>Mission 232</u>	<u>Mission 238</u>	<u>Mission 245</u>
Bombing Altitude	15,000 feet	(15,000 to 16,000 feet)	
Axis of Attack	320 degrees	35 degrees	42 degrees
Initial Point	343430N-1371000E	3334N-13126E	335000N-1344430E
Drift	10 degrees right	6 degrees right	6 degrees right
Time of Run	6 minutes	7 minutes	6 minutes
Length of Run	24 miles	31½ miles	28 miles

(2) Navigation: The following routes were to be employed on these missions:

(a) Mission 232:

<u>Route</u>	<u>Reasons for Selection</u>
Base to Iwo Jima to 343430N-1370100E (Initial Point)	Tactical Doctrine
to Target	Irako Saki Point at the entrance to Nagoya Bay. Easily identified for landfall and initial point
to Iwo Jima to Base	Utsube River Oil Refinery. A left turn was to be made off the target avoiding flak area. Tactical Doctrine.

DECLASSIFIED

Authority NPPH 5005

By RS NARA Date 5/11/11

(b) Mission 238:

<u>Route</u>	<u>Reasons for Selection</u>
Base to Iwo Jima	Tactical Doctrine
to	
3255N-13205E	An easily identified landfall point on the
to	eastern coast of Kyushu.
3334N-13126E	A point just left of Usa. Easily identified
(Initial Point)	for the best radar approach to the target.
to	
Target	Kudamatsu Plant of the Nippon Oil Company.
to	
330130N-1330600E	To avoid flak areas.
to	
Iwo Jima to Base	Tactical Doctrine.

(c) Mission 245:

<u>Route</u>	<u>Reasons for Selection</u>
Base to Iwo Jima	Tactical Doctrine
to	
3322N-13403E	Landfall at left of Muroto Point making a
to	straight approach to the target through
335000N-1344430E	the initial point.
(Initial Point)	The jutting point of land at the entrance to
to	Osaka Bay making the best approach to the
Target	target.
to	Maruzen Oil Refinery, Shimotsu.
3335N -13557E	Lands end.
to	
Base to Iwo Jima	Tactical Doctrine.

(3) Flight Engineering:

(a) Except for the bombing run and compression of the force, all aircraft on these missions were to fly at speeds and altitudes which would allow maximum range and safety. Speeds were to be approximately 5 miles per hour higher than those recommended by the XXI Bomber Command Tactical Doctrine. No assemblies were to be effected.

(b) It was estimated that aircraft on these missions would require a fuel load of full wing and center wing tanks. The bomb load was estimated at 18,000 pounds.

(4) Radar:

(a) Mission 232: The Utsube River Oil Refinery is located on the coast of Nagoya Bay on a promontory south of Yokkaichi. This area was considered an excellent one for radar navigation and target identification because of the prominence of the bay with its outstanding coastal features and the radar return of Nagoya. Originally, it was believed that a long downwind axis would be best, but due to the defenses of Osaka and the lack of good radar initial points to the west, an axis to the southeast was chosen. This approach to the target is from water to land and should allow for an excellent radar return.

(b) Mission 238: It was believed that radar navigation would be very good on this mission because of the excellent coastline checkpoints of Kyushu and Shikoku. Landfall would be made at a distinctive point on the southwestern tip of Shikoku. Since the terrain at landfall point is rather rugged, all operators should have no difficulty in identifying it in time to make the initial wind run.

(c) Mission 245: On this mission an approach was planned which would allow the best employment of the APQ-7 radar equipment. The requirements set up for the optimum use of this equipment were; a low drift factor, a good landfall point for the initial wind run, a definite radar initial point, and if possible, a small turn at the initial point. Based on these requirements, a route was chosen which approximated a straight line from landfall through the initial point to the target. It was expected that landfall point would be easily identified in time to allow for an initial wind run. The initial point, a distinctive peninsula 45 miles from landfall, was expected to be within easy range after making the turn at landfall. The target itself (Maruzen Oil Refinery) is on the coast with a river running along its northern side and was expected to show up on the APQ-7 radar scope as an excellent return.

(5) RCM: Because the 315th Wing was not equipped with RCM equipment, search and jamming could not be conducted on these missions. It was planned that rope be carried in each aircraft to be dispensed.

(6) Air-Sea Rescue: (See Annex 4, Part V, for Air-Sea Rescue Chart). The Navy was furnished with details of the missions and provided the following air-sea rescue facilities: For Mission 232, 2 submarines; 4 Dumbos; and 3 surface vessels; for Mission 238, 3 submarines; 4 Dumbos; and 3 surface vessels; for Mission 245: 4 submarines, 5 Dumbos, and 3 surface vessels. In addition to these facilities the Navy assigned crash boats in the vicinity of the Command bases for take-offs and landings.

(7) Fighter Escort: Since these mission were to be flown at night, no fighter escort was planned.

d. Details of Planning--Intelligence:

(1) Enemy Fighter Reaction:

(a) Mission 232: It was estimated that 25 to 35 enemy fighters could oppose this strike, offering negligible to weak opposition.

(b) Mission 238: Although an estimated 30 to 40 enemy fighters were located in this area, it was believed that only 15 to 20 of these aircraft (not more than 5 of which would be night fighters) could oppose this strike.

(c) Mission 245: It was estimated that 20 to 25 enemy fighters might intercept on this mission, offering negligible to weak opposition.

(2) Enemy Antiaircraft:

(a) Mission 232: It was estimated that there were only 2 heavy guns in the Yokkaichi area. At the planned altitude of attack (15,000 feet), only very meager and inaccurate fire was expected. Anti-aircraft opposition presented no problem in planning with the exception of specifying a route to and from the target to avoid other flak areas.



(b) Mission 238: The defenses at Kudamatsu consisted of 15 heavy guns and 3 searchlights. This was considered a very meager defense against night attack at the planned altitude of attack (15,000 to 16,000 feet). The route to the target would bring the aircraft barely within range of the Oita defenses (19 heavy guns), but only meager and inaccurate flak was expected there. It was planned that the approach be from the southwest in order to avoid the defenses at Tokuyama (33 heavy guns), immediately northwest of Kudamatsu. A breakaway to the southeast avoiding the Shikoku defenses was planned.

(c) Mission 245: In the past, meager and inaccurate fire had been encountered in the Wakayama area. However, since there were no adequate photographs of the area, these reports could not be confirmed. It was considered that flak would be of minor importance at the planned altitude of attack of 15,000 to 16,000 feet. The route was planned to avoid all known defenses.

#### 4. EXECUTION OF THE MISSIONS:

a. Take-off: Take-off for each mission was accomplished as follows:

<u>Mission</u>	<u>Aircraft Airborne</u>	<u>First Take-off</u>	<u>Last Take-off</u>
232	35	260700Z	260734Z
238	36	290730Z	290811Z
245	40	020730Z	020833Z

b. Route Out: On Mission 232, 3 aircraft deviated from the briefed route to the target because of navigational error. One of these 3 aircraft failed to bomb the primary target due to a combination of navigation error and engine trouble. On Missions 238 and 245, all aircraft flew the briefed route without incident.

#### c. Over Target:

(1) Primary Targets: For all missions, target area navigation, wind determination, and bombing, were accomplished by radar. A total of 104 aircraft bombed the primary targets with 500-pound general-purpose bombs as follows:

<u>Mission</u>	<u>Bombing</u>	<u>Aircraft Tonnage Dropped</u>	<u>Time of Release</u>		<u>Bombing Altitude</u>
			<u>Earliest</u>	<u>Latest</u>	
232	33	222.8	261335Z	261505Z	15,000 to 16,000 feet
238	32	208.5	291506Z	291537Z	15,400 to 16,875 feet
245	39	296.7	021508Z	021607Z	15,000 to 16,000 feet

(2) Targets of Opportunity: Two aircraft bombed targets of opportunity. On Mission 232, 1 B-29 dropped 6.7 tons of 500-pound general-purpose bombs on Kagata from 15,400 feet. On Mission 245, 1 B-29 dropped 8 tons of 500-pound general-purpose bombs on Sakinohama from 9000 feet.

(3) Remainder of Force: There were 5 non-effective aircraft on these missions.

d. Route Back: Return to base on all missions was flown as briefed. Three aircraft landed at Iwo Jima (1 on Mission 232 and 2 on Mission 245).

e. Landing: Aircraft landed at home bases as follows:

<u>Mission</u>	<u>First Landing</u>	<u>Last Landing</u>
232	262048Z	262130Z
238	292045Z	292305Z
245	022030Z	022230Z

f. Losses: No aircraft were lost on these missions.

g. Operational Summary:

(1) Navigation: (See Annex A, Part I, for details). Navigation for all missions was considered excellent. Weather conditions were considered exceptionally favorable and much celestial work was accomplished. APN-9 Loran was extensively used.

(2) Bombing: No serious difficulty was encountered on any of these missions. One aircraft on Mission 245 reported a bomb bay door malfunction.

(3) Flight Engineering: (See Annex A, Part II, for chart, and Consolidated Statistical Summary, Annex E, for details).

(a) Narrative of the Missions as Flown:

1. Route Out: Climbs were made immediately after take-offs to cruising altitudes (5000 to 10,000 feet). Altitudes and airspeeds differed in order to attain compressibility of the striking forces. Climbs to bombing altitudes were made just off the coast of Japan.

2. Bomb Run: Bombing was conducted between 15,000 and 17,000 feet at speeds of approximately 230 miles per hour (calibrated air speed).

3. Return to Base: Returns to base were made by descents to approximately 10,000 feet and cruising at that altitude until a gradual descent to base could be accomplished.

(b) Comments:

1. Speeds flown were approximately 5 miles per hour higher than those recommended for a normally armed airplane.

2. Due to lack of information on the capabilities of 315th Wing aircraft, bomb loads were low and fuel reserves were high. However, a greater bomb load and a lower fuel reserve is anticipated for future operations of this Wing.

(4) Radar: (See Annex A, Part III, for details and Radar-Scope Photos). Two aircraft of the 104 aircraft bombing the primary targets bombed visually.

(5) Gunnery: (See Annex A, Part IV, for Gunnery Report).

(6) Air-Sea Rescue: There were no ditchings or bailouts on these missions.

h. Weather: (See Annex B for details). Weather on all missions was approximately as forecast with the exception of weather over the target on mission 232, which was less favorable.

i. Communications:

(1) RCM: (See Annex C, Part I, for details). Search and jamming was not conducted on these missions since the 315th Wing was not equipped with the necessary RCM gear.

(2) Radio: (See Annex C, Part II, for details). Security and discipline were excellent during these missions.

j. Intelligence Summary:

(1) Enemy Air Opposition: (See Annex D, Part I, for details). Enemy air opposition was reported as nil on these missions.

(2) Enemy Antiaircraft: (See Annex D, Part II, for details). On Mission 232, enemy antiaircraft opposition over the target area was described as meager, inaccurate, heavy, and continuously pointed. On Missions 238 and 245, opposition was nil except for 1 encounter of meager, inaccurate, heavy flak at land-fall on Mission 245.

(3) Damage Assessment: (See Annex D, Part III, for details).

(a) Mission 232: Damage assessment for this mission will be found in Damage Assessment Report Number 141 which will be included in the Tactical Mission Report for Missions Number 257 through 261.

(b) Mission 238: Damage assessment for this mission was not available at the time of the writing of this report and will be included in a later report.

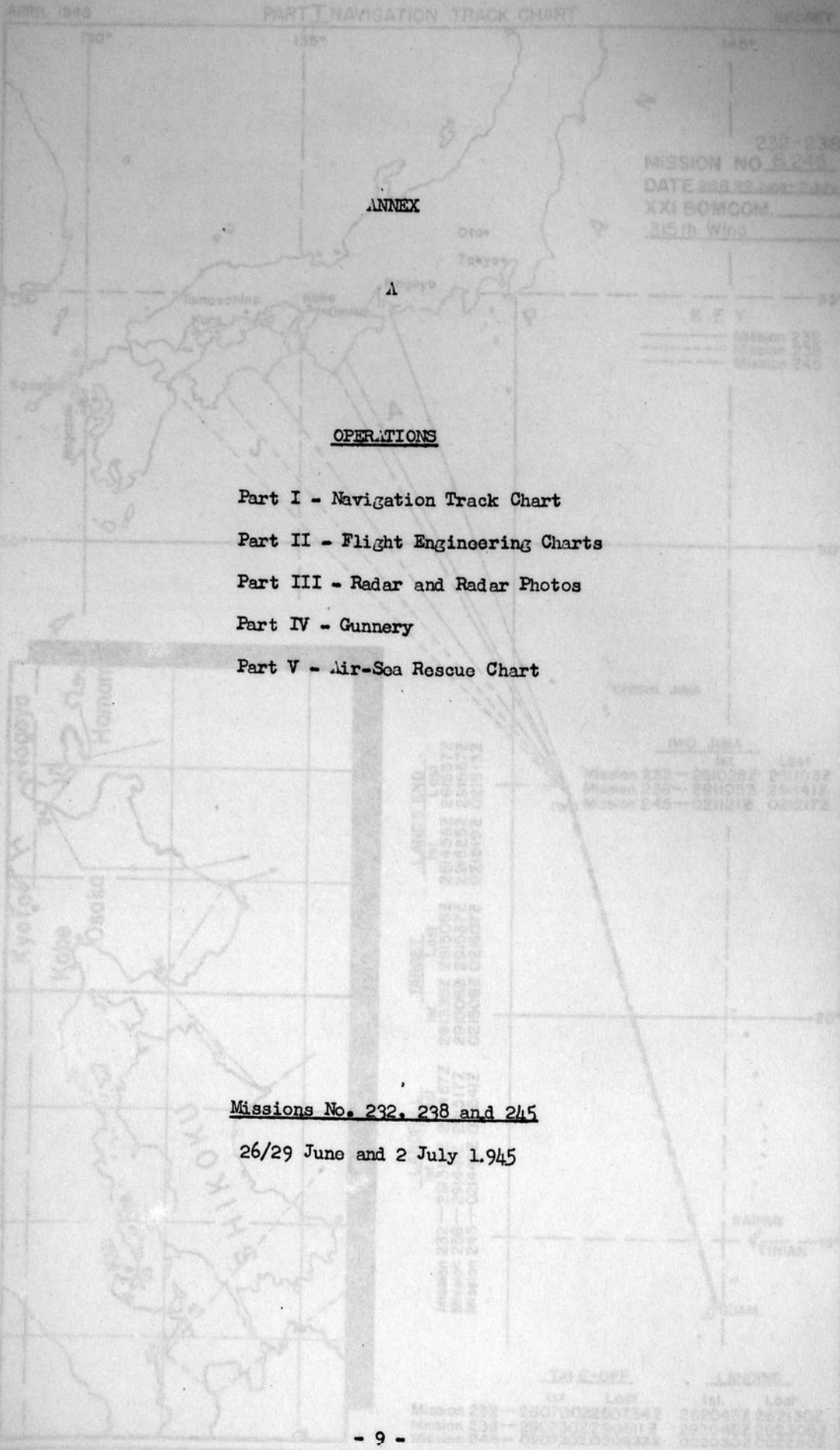
(c) Mission 245: Damage to the Maruzen Oil Refinery as a result of this mission amounts to 54,225 square feet or 10.35 per cent of the total roof area.

*Curtis E. Lemay*  
CURTIS E. LEMAY  
Major General, U.S.A.,  
Commanding

DECLASSIFIED

Authority NMP 7505

By *[Signature]* NARA Date 5/14/11



232-238  
MISSION NO. 245  
DATE 26/29 June 1945  
XXI BOMCOM  
315th Wing

KEY  
Mission 232  
Mission 238  
Mission 245

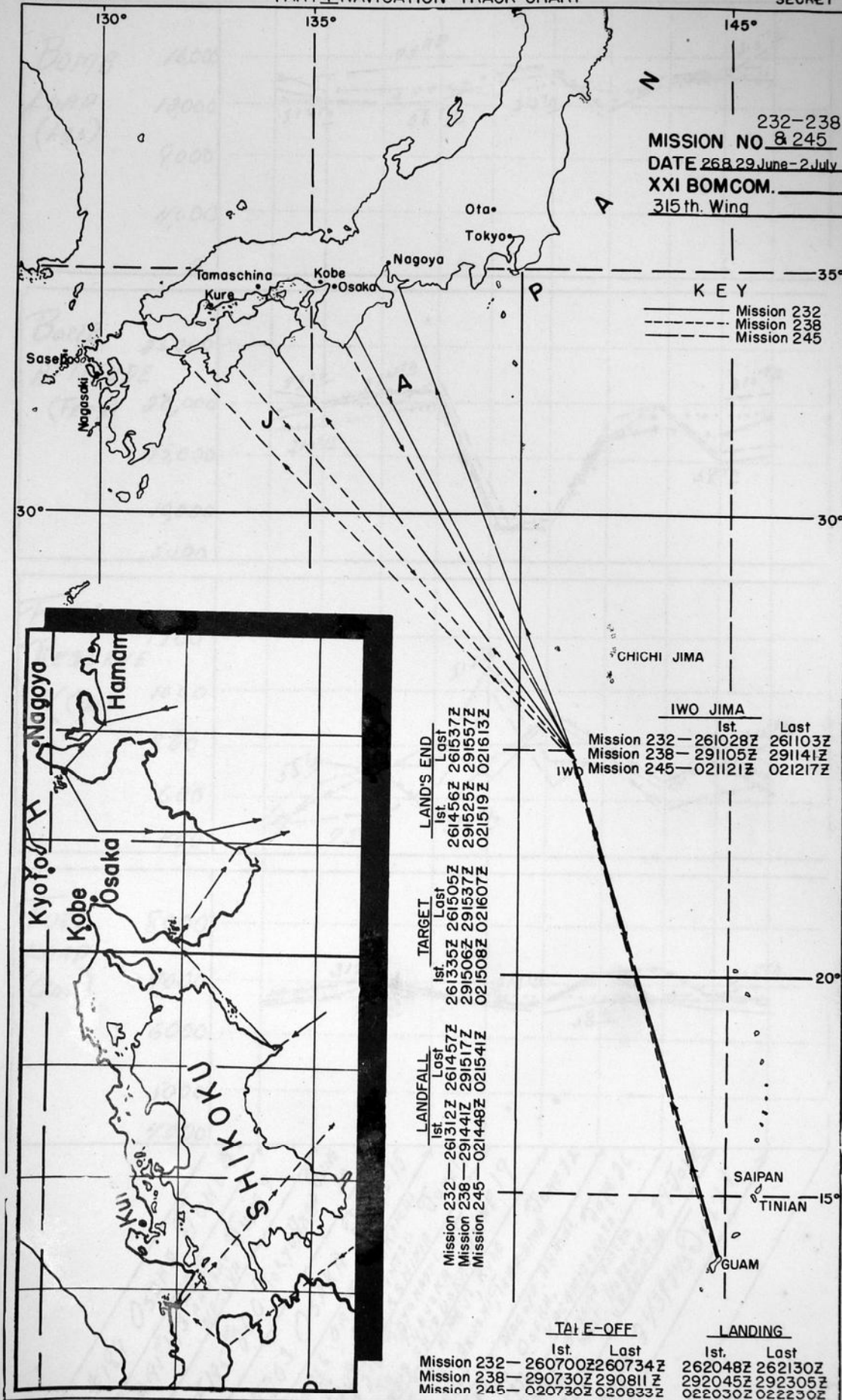
OPERATIONS

- Part I - Navigation Track Chart
- Part II - Flight Engineering Charts
- Part III - Radar and Radar Photos
- Part IV - Gunnery
- Part V - Air-Sea Rescue Chart

Missions No. 232, 238 and 245  
26/29 June and 2 July 1945

DECLASSIFIED  
Authority NMPH 5005  
By [Signature] NARA Date 5/14/11

232-238  
**MISSION NO. & 245**  
 DATE 26, 29 June - 2 July  
**XXI BOMCOM.**  
 315th. Wing



DECLASSIFIED  
 Authority NPPH 5005  
 By [Signature] NARA Date 5/14/11



PART III - RADAR

1. Radar Bombing, AN/APQ-7:
  - a. Number of sets operative on take-off: 106.
  - b. Of A/C bombing - number of sets operative over target: 100.
  - c. Number of sets operative on landing: 102.
  - d. Average maximum range of radar beacon reception: 80 NM at 15,000 ft. altitude.
  - e. Average maximum range of radar targets:  
109 NM at 5000 - 10,000 ft. altitudes  
79 NM at 10,000 - 15,000 ft. altitudes
  - f. Average maximum range of Japanese coast: 53 NM.
  - g. Equipment failures: 5.
2. Loran, AN/APN-9:
  - a. Antennas are all fixed. Maximum range:  
Ground waves: 570NM  
Sky waves: 1500NM
  - b. Set inoperative: 6
3. IFF, SCR-695:
  - a. There was 1 equipment failure.
  - b. Equipment turned on, checked, turned off as S.O.P.
4. Remarks:
  - a. There were 88 individual radar direct synchronous releases made.
  - b. Two aircraft made visual releases.
  - c. Two aircraft made radar direct fixed angle releases.
  - d. One aircraft made a D/R release.
  - e. Landfall and initial points were all easily identified.
  - f. In all cases identification of aiming points was good.



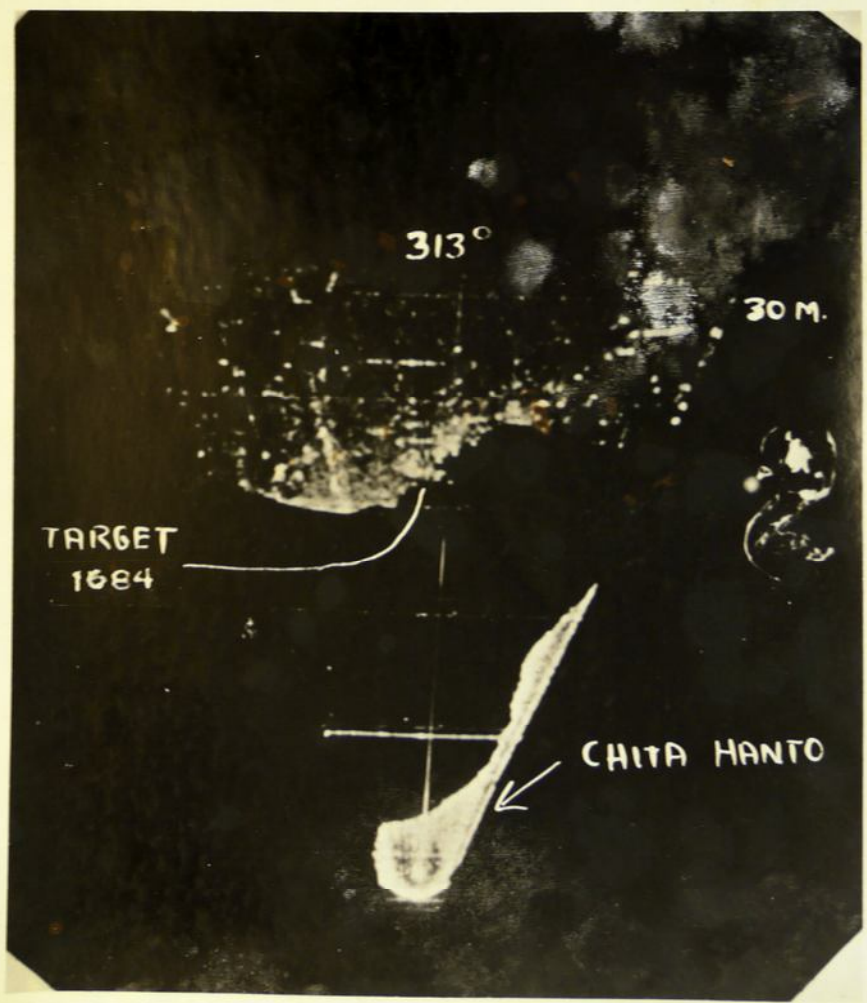
MISSION 232 TARGET 1684





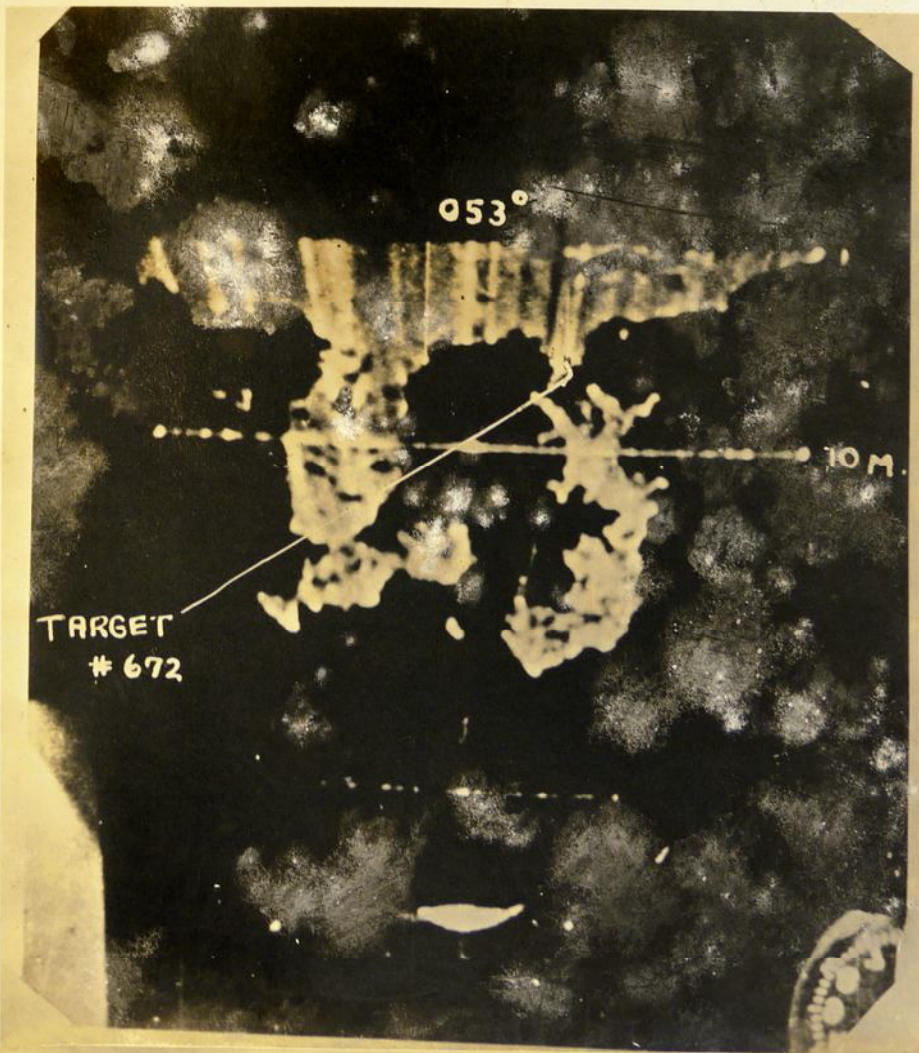


**MISSION 232 TARGET 1684**





MISSION 238 TARGET 672



SECRET

PART IV - GUNNERY

1. No. of A/C Firing: 0
2. Average tail turret load: 1425.
3. No. of rounds fired in combat: None.
4. No. of rounds used for test firing: 7695. Average per gun: 23.
5. Guns Loaded: Cold.
6. Malfunctions:
  - a. C.F.C.: Dynamotor out, defective back out circuit, elevation limit switch out and 68 APG-15 malfunctions.
  - b. C.A.L. 50 M.G.: Bolt sw, reversed.
7. Equipment operation (Total percentage operative):
  - a. C.F.C.: 99.6%
  - b. C.A.L. 50 M.G.: 99.87%
8. Remarks:
  - a. APG-15 equipment malfunctions are extremely high.

MISSION NO 232  
DATE 25 JUNE 45  
XXI BOMCOM  
SEA RESCUE

KEY

- - SUBMARINE
- - SURFACE VESSEL
- ▲ - NAVY DUMBO
- △ - SUPER DUMBO

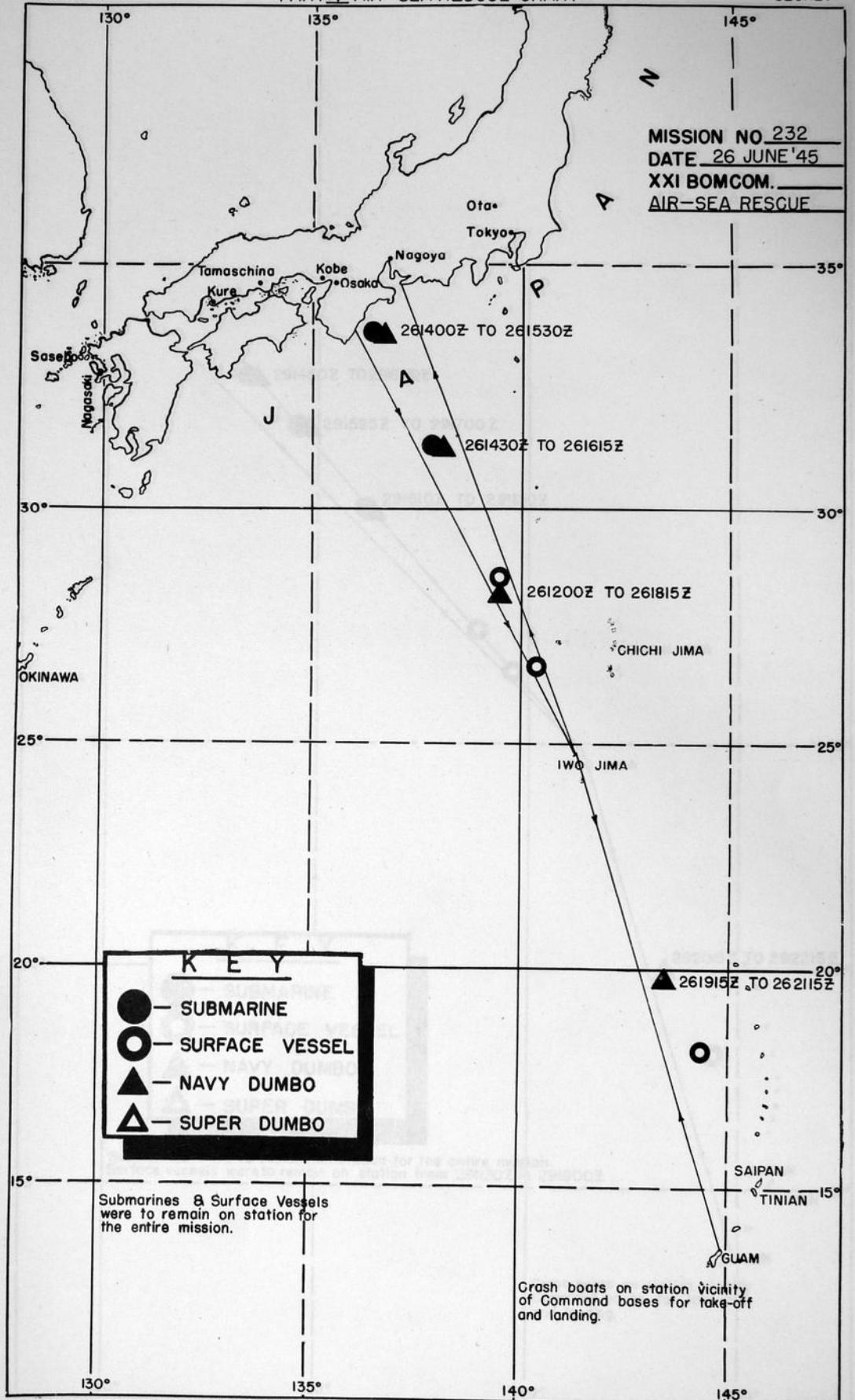
Submarines & Surface Vessels were to remain on station for the entire mission.

- W -

SECRET

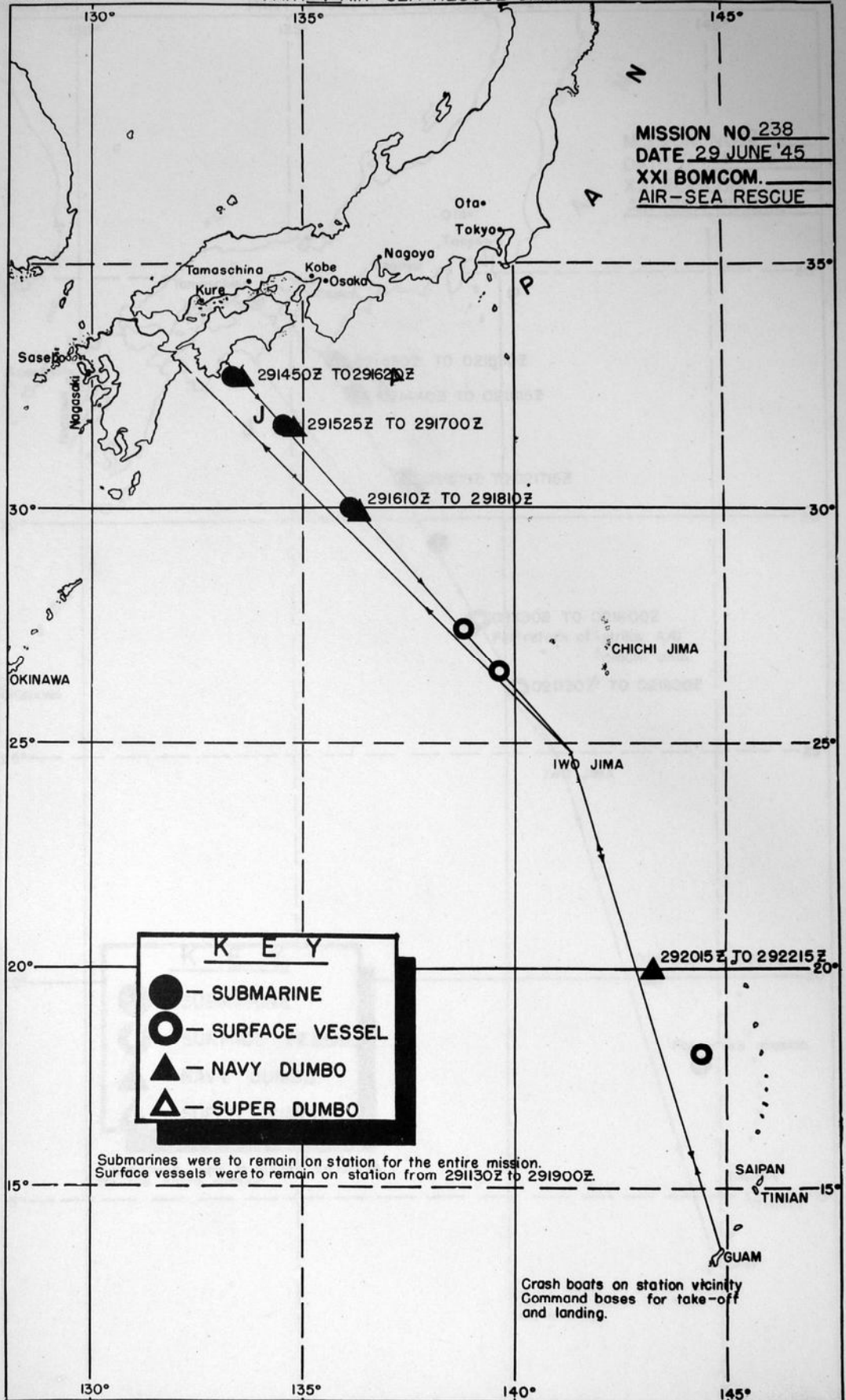
DECLASSIFIED  
Authority NNP 7/5/05  
By NARA Date 5/11/11

MISSION NO 232  
 DATE 26 JUNE '45  
 XXI BOMCOM. \_\_\_\_\_  
 AIR-SEA RESCUE \_\_\_\_\_



DECLASSIFIED  
 Authority NPPH/5005  
 By BC NARA Date 5/11/11

MISSION NO 238  
 DATE 29 JUNE '45  
 XXI BOMCOM.  
 AIR-SEA RESCUE



**KEY**

- - SUBMARINE
- - SURFACE VESSEL
- ▲ - NAVY DUMBO
- △ - SUPER DUMBO

Submarines were to remain on station for the entire mission.  
 Surface vessels were to remain on station from 291130Z to 291900Z.

Crash boats on station vicinity  
 Command bases for take-off  
 and landing.

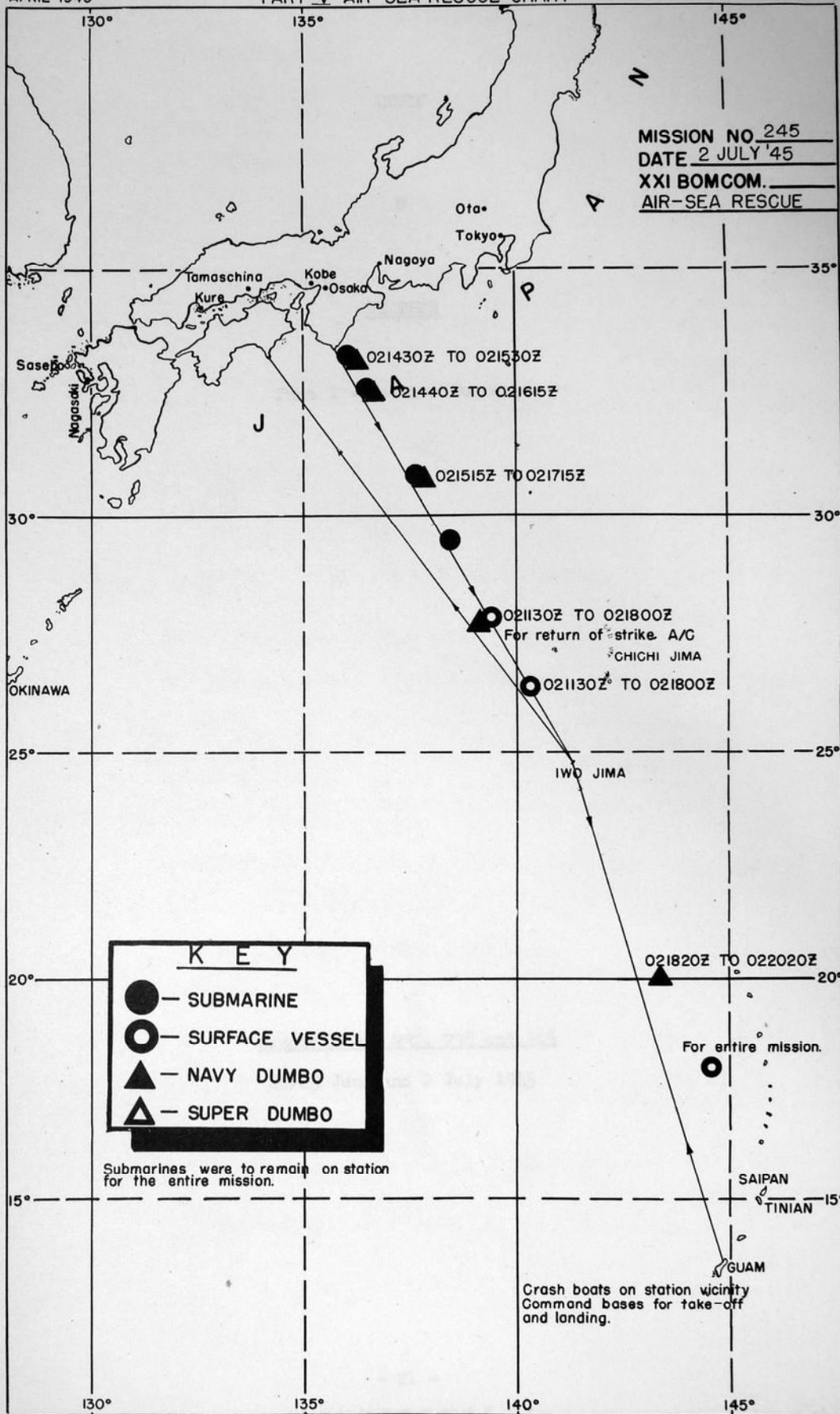
DECLASSIFIED  
 Authority NMPH 5005  
 By NARA Date 5/14/11

MISSION NO. 245

DATE 2 JULY '45

XXI BOMCOM.

AIR-SEA RESCUE



**KEY**

- — SUBMARINE
- — SURFACE VESSEL
- ▲ — NAVY DUMBO
- △ — SUPER DUMBO

Submarines were to remain on station for the entire mission.

Crash boats on station vicinity Command bases for take-off and landing.

DECLASSIFIED  
 Authority NNP 7/5/05  
 By NARA Date 5/11/11

TIME ZONE TABLE

1. Mission No. 232

a. Base at Takana: ANNEX -tenths to 6/10 low clouds, base 1600 feet; scattered light clouds.

b. Base at Takana:

(1) From 20 Degrees North: Four-tenths to 6/10 low clouds, base 2000 feet, top 5000 to 8000 feet; 2/10 high clouds at 25,000 feet; scattered light clouds.

(2) From 20 Degrees North to 23 Degrees North: Eight-tenths low clouds, top 5000 to 12,000 feet; 10/10 middle clouds in layers between 9000 and 22,000 feet; WEATHER high clouds at 25,000 feet; moderate rain falling; heavy rain reducing visibility to zero.

(3) From 23 Degrees North to 25 Degrees North: Three-tenths low clouds, top 5000 feet; 10/10 middle clouds, base 20,000 feet, top 22,000 feet.

Part I - Weather Summary

c. Target: Ten-tenths low clouds, top 3000 feet; 10/10 middle clouds, base 20,000 feet, top 22,000 feet; visibility 5 to 10 miles in light haze; winds at 20,000 feet were 265 degrees at 45 knots.

d. Base at Takana: Same as note outgoing.

e. Base at Takana: Four-tenths low clouds, base 2000 feet; 2/10 high clouds at 30,000 feet.

2. Mission No. 233

a. Base at Takana: Broken low clouds, scattered low clouds.

b. Base: There were broken low and scattered middle clouds with occasional towering cumulus and scattered anvils to 24 degrees north. From 24 degrees north to landfall scattered low clouds to clear becoming scattered to broken low and scattered high clouds at north end of the zone. From landfall to target cloudiness increased to broken low middle and high clouds.

c. Target: Eight-tenths to 10/10 stratocumulus, top 5000 feet; 2/10 altostratus, base 10,000 feet, top 16,000 feet; 2/10 cirrus. Winds at 15,000 feet were 275 degrees at 40 knots.

d. Base at Takana: Broken low clouds.

3. Mission No. 245

a. Base at Takana: Missions No. 232, 238 and 245

b. Base: 26/29 June and 2 July 1945 over entire zone except at 17 degrees north where there were lines of towering cumulus with light showers.

c. Target: There were 4/10 to 10/10 (variable) stratocumulus with tops at 3000 feet.

d. Base at Takana: Scattered low and high clouds.

DECLASSIFIED  
Authority NNP 4/5/05  
By NARA Date 5/11/11

FINAL WEATHER SUMMARY

1. Mission No. 232:

a. Base at Take-off: Five-tenths to 6/10 low clouds, base 1800 feet; scattered light showers.

b. Route Outgoing:

(1) To 29 Degrees North: Four-tenths to 6/10 low clouds, base 2000 feet, top 4000 to 8000 feet; 2/10 high clouds at 25,000 feet; scattered light showers.

(2) From 29 Degrees North to 33 Degrees North: Eight-tenths low clouds, top 8000 to 12,000 feet; 10/10 middle clouds in layers between 9000 and 22,000 feet; 10/10 high clouds at 25,000 feet; moderate rime icing, heavy rain reducing visibility to zero.

(3) From 33 Degrees North to Target: Three-tenths low clouds, top 5000 feet; 7/10 middle clouds, base 20,000 feet, top 22,000 feet.

c. Target: Two-tenths low clouds, top 5000 feet; 10/10 middle clouds, base 20,000 feet, top 22,000 feet; visibility 5 to 10 miles in light haze; winds at 20,000 feet were 265 degrees at 45 knots.

d. Route Return: Same as route outgoing.

e. Bases on Return: Four-tenth low clouds, base 2000 feet; 2/10 high clouds at 30,000 feet.

2. Mission No. 238:

a. Base at Take-off: Broken low clouds, scattered low clouds.

b. Route: There were broken low and scattered middle clouds with occasional towering cumulus and scattered showers to 24 degrees north. From 24 degrees north to landfall scattered low clouds to clear becoming scattered to broken low and scattered high clouds at north end of the zone. From landfall to target cloudiness increased to broken low middle and high clouds.

c. Target: Eight-tenths to 10/10 stratocumulus, tops 5000 feet; 9/10 altostratus, base 10,000 feet, top 16,000 feet; 8/10 cirrus. Winds at 15,000 feet were 275 degrees at 40 knots.

d. Base on Return: Broken low clouds.

3. Mission No. 245:

a. Base at Take-off: Broken low clouds.

b. Route: Scattered to broken low clouds over entire route except at 17 degrees north and 26 degrees north where there were lines of towering cumulus with light showers.

c. Target: There were 4/10 to 10/10 (variable) stratocumulus with tops at 5000 ft.

d. Base on Return: Scattered low and high clouds.

DECLASSIFIED  
 Authority NNP/7/5/05  
 By [Signature] NARA Date 5/11/11



SECRET

ANNEX

C

COMMUNICATIONS

Part I - RCM

Part II - Radio

Missions No. 232, 238 and 245

26/29 June and 2 July 1945

- 23 -

SECRET

PART I - RCM

1. Purpose:

a. To confuse enemy gun-laying and searchlight radars by the use of rope.

2. Method:

a. Fifty bundles of rope were carried by each aircraft.

b. The rope was dispensed at the rate of 3 bundles per 10 seconds when protection was needed from searchlights.

3. Results:

a. Because of the cloud coverage in the target areas, enemy searchlights were not effective.

b. One crew reported successful diversion of searchlights by the use of rope.

4. Remarks:

a. Search and jamming was not conducted on these missions since the 315th Wing was not equipped with the necessary RCM gear.

\* \* \* \* \*

PART II - R.DIO

1. Strike Reports: The 315th wing ground station received 14 Strike Reports during these three missions.

2. Fox Transmissions: Weather and Time Signals were the only Fox transmissions used.

3. Frequencies: For their first 3 missions, the 315th Wing reported no evidence on intentional jamming. However, their 3 and 6 megacycle frequencies were blocked intermittently on Mission 245 by what is thought to be a Japanese station on the same frequency, or very close. Following is a percentage breakdown of traffic per frequency: 23 per cent on 3 megacycles 31 per cent on 6 megacycles and 46 per cent on 10 megacycles.

4. Navigational Aids: Ranges, homers and broadcast stations were used effectively. No HF/DF or VHF/DF bearings facilities were used.

5. Net Discipline and Security: Excellent net discipline and security were maintained during these missions. One aircraft used an outdated call sign and a few instances of distress traffic in the clear were the only violations of security logged on the strike frequencies. The Wing reports that during Mission 232, an unknown aircraft gave time over target, target, altitude and course on Channel "C" VHF.

6. Enemy Transmissions: The following incidents of jamming, enemy transmissions and interference were recorded during this mission:

a. 3810 Kcs:

(1) CW transmissions between 091040Z to 091710Z were ineffective.

DECLASSIFIED  
Authority NMPH 5005  
By NARA Date 5/11/11

(2) Intermittent transmissions by NPN5 were ineffective.

(3) Intermittent CW signals received throughout mission from what is believed to be a Japanese station were ineffective.

b. 6640 Kcs:

(1) The letters "BC" sent between 021130Z to 021800Z were effective.

(2) Intermittent enemy CW signals were partially effective.

c. 10965 Kcs: Negligible.

7. Distress: Only a few normal trouble messages were received during these missions. These included aircraft with one engine out and routine checks of navigation. There were no urgent bearings requested, nor transmitted, from the Wing ground station.

8. Equipment Malfunctions: SCR-522, 1 reset button inoperative, 1 transmitter inoperative; BC-348, 1 dynamotor burned out.

DECLASSIFIED  
Authority NMPH 5005  
By [Signature] NARA Date 5/11/11

SECRET - CONFIDENTIAL

1. ANNEK Mission No. 232, 26 June 1945

a. Fighter reaction to ANNEK, the first mission flown by the 15th Wing, was nil. A total of 11 enemy aircraft were sighted but no attacks were made.

ANNEX

b. The enemy aircraft was identified as a single-engine, 1 as a twin-engine airplane and 11 were unidentified.

D

c. The contributing factors to the lack of interception were the fact that this was a night mission and the presence of a 10/10 overcast and undercast along the route over the Empire.

INTELLIGENCE

2. ANNEK Mission No. 233, 2 July 1945

a. This also was a night mission. A total of 11 enemy aircraft were sighted with no attacks reported. Three fighters were identified as twin-engine, 3 were identified as single-engine aircraft, and 5 were unidentified.

Part I - Enemy Air Opposition

Part II - Enemy Antiaircraft

Part III - Damage Assessment

b. Observations of landing lights while enemy fighters followed cabin lights off and the fighter closed to 50 yards but did not open fire. This was a night mission and cloud coverage was 5/10 to 10/10.

3. ANNEK Mission No. 234, 2 July 1945

a. This also was a night mission. A total of 11 enemy aircraft were sighted with no attacks reported. Three fighters were identified as twin-engine, 3 were identified as single-engine aircraft, and 5 interceptors were unidentified.

b. Two crews reported 2 enemy aircraft maneuvering between the 5-29s and the moon. The majority of attempted approaches were from 6 o'clock. One enemy aircraft seemed to be equipped with radar since it trailed a 5-29 from 1000ft until bombs away.

Part II - ENEMY ANTIAIRCRAFT

1. Mission No. 232, 26 June 1945

a. The primary target was bombed by 35 aircraft of the 15th Wing between 1930-1952 from 15,000-16,000 feet. Weather was reported as 10/10 overcast with occasional holes. 50% of attack varied from 1000-1500 ft.

Missions No. 232, 238 and 245

26/29 June and 2 July 1945

b. Over the target flak was described as meager, inaccurate, heavy and continuously pointed. Duration of flak was 1-3 minutes. As many as 25 5/1 beams were reported in the target area, but no aircraft were aimed due to cloud cover.

c. On withdrawal meager and inaccurate, heavy flak was reported from the Nagoya area. Thirty 5/1 beams were seen at Taketoyo (34 52 7 - 135 55 3).

d. No aircraft were lost to flak on this mission and

DECLASSIFIED  
Authority NNP 75005  
By NARA Date 5/11/11

PART I - ENEMY FIGHTER REACTION1. Summary, Mission 232, 26 June 1945

a. Fighter reaction to this, the first mission flown by the 315th Wing, was nil. A total of 13 enemy aircraft were sighted but no attacks were made.

b. One enemy aircraft was identified as a single-engine, 1 as a twin-engine airplane and 11 were unidentified.

c. The contributing factors to the lack of interception were the fact that this was a night mission and the presence of a 10/10 overcast and undercast along the route over the Empire.

2. Summary, Mission 238, 29 June 1945

a. An estimated total of 19 enemy aircraft were sighted on this mission. There were no attacks. Six fighters were identified as twin-engine, 1 listed as a Tony, 2 as single-engine aircraft, and 10 were unidentified.

b. Observations included the usual blinking of landing lights while some enemy fighters flicked cabin lights off and on. One fighter closed to 50 yards but did not open fire. This was a night mission and cloud coverage was 8/10 to 10/10.

3. Summary, Mission 245, 2 July 1945

a. This also was a night mission. A total of 11 enemy aircraft were sighted with no attacks reported. Three fighters were identified as twin-engine, 3 were identified as single-engine aircraft, and 5 interceptors were unidentified.

b. Two crews reported 2 enemy aircraft maneuvering between the B-29s and the moon. The majority of attempted approaches were from 6 o'clock. One enemy aircraft seemed to be equipped with radar since it trailed a B-29 from landfall until bombs away.

\*\*\*\*\*

PART II - ENEMY ANTI-AIRCRAFT1. Mission 232 - Utsube Oil Refinery, Yokkaichi

a. The primary target was bombed by 33 aircraft of the 315th Wing between 1335Z-1505Z from 15,000-16,000 feet. Weather was reported as 10/10 undercast with occasional holes. Axis of attack varied from 290°-330°.

b. No flak was reported en route to the target.

c. Over the target flak was described as meager, inaccurate, heavy and continuously pointed. Duration of fire was 1-3 minutes. As many as 23 S/L beams were reported in the target area, but no aircraft were coned due to cloud cover.

d. On withdrawal meager and inaccurate, heavy flak was reported from the Nagoya area. Thirty S/L beams were seen at Taketoyo (34 52 N - 136 55 E).

e. No aircraft were lost to flak on this mission, and

of 34 aircraft bombing (all targets), 1 or 2.95%, sustained flak damage.

2. Mission 238 - Nippon Oil Company, Kudamatsu Plant

a. The primary target was bombed by 32 aircraft of the 315th Wing between 1506Z-1537Z from 15,400-16,875 feet. Axis of attack varied from 36°-51°. Weather reported as 9/10-10/10 under-cast.

b. Flak was nil for entire mission.

c. Searchlight locations were reported as tabulated below:

<u>LOCATION</u>	<u>COORDINATES</u>	<u>NUMBER</u>
Tsurumi Saki	32 56 N - 132 05 E	1
I. P.	33 34 N - 131 26 E	4
Target Area	33 59 N - 131 53 E	2
Ya Shima	33 44 N - 132 09 E	2
Kamura	33 52 N - 132 21 E	2
- - -	33 40 N - 132 30 E	1
Irino	33 01 N - 133 01 E	1

d. No aircraft were lost or damaged as a result of flak on this mission.

e. Blackout was reported as ineffective except in the immediate target area.

3. Mission 245 - Maruzen Oil Refinery, Shimotsu

a. The primary target was bombed by 39 A/C of the 315th Wing between 1508Z - 1607Z from 15,000-16,000 feet. Axis of attack varied from 26°-50°. Weather was reported as 8/10-10/10.

b. Flak was nil for the entire mission except for 1 enemy encounter of meager inaccurate, heavy flak at landfall (33 25 N - 134 00 E).

c. One searchlight was sighted at Tomioka (33 55 N 134 41 E) and 2 in the target area (34 06 N - 135 07 E).

\*\*\*\*\*

PART III - DAMAGE ASSESSMENT

1. Mission 232: Damage assessment for this mission will be found in Damage Assessment Report Number 141 which is to be included in the Tactical Mission Report for Missions Number 257 through 261.

2. Mission 238: Damage assessment for this mission was not available at the time of the writing of this report and will be included in a later report.

DECLASSIFIED  
 Authority NMPH 5005  
 By NARA Date 5/11/11

**S E C R E T**

3. Mission 245: Damage to the Marúzen Oil Refinery, Shimotsu, as a result of this mission amounts to 54,225 square feet or 10.35 per cent of the total roof area. Additional details of the damage inflicted on this target may be found in Damage Assessment Report Number 142 which is included in the Tactical Mission Report on Missions Number 251 through 255.

DECLASSIFIED  
Authority NPPH 5005  
By [Signature] NARA Date 5/11/11

**S E C R E T**

CONSOLIDATED STATISTICAL SUMMARY OF COMBAT OPERATIONS

ANNEX

E

CONSOLIDATED STATISTICAL SUMMARY

SECRET

XVI BOMBER COMMAND

FORM 34

MISSION NO. 232 - 238 - 245

Missions No. 232 - 238 - 245  
26, 29 June and 2 July 1945

SECRET



DECLASSIFIED  
 Authority NPH 5005  
 By NARA Date 5/14/11

SECRET

XXI BOMBER COMMAND

CONSOLIDATED STATISTICAL SUMMARY OF COMBAT OPERATIONS

FORM 34

MISSION NO. 232 & 238

26 & 29 June 1945

Mission #232 - 315th Wing - Utsube Oil Refinery, Yokkaichi (PV & PR)  
 Mission #238 - 315th Wing - Nippon Oil Co., Kudamatsu Plant (PV & PR)

EFFECTIVENESS OF MISSIONS

Aircraft Airborne . . . . . 71  
 Percent Of Aircraft On Hand . . . . . 40.6%  
 Aircraft Bombing Primary Target . . . . . 65  
 Percent Of Bombing Aircraft Airborne . . . . . 91.5%  
 Bombs Dropped On Primary Targets . . . . . 431 Tons  
 Bombs Dropped On Other Targets . . . . . 7 Tons

COST OF MISSIONS

Aircraft Lost . . . . . None  
 Aircraft Damaged . . . . . 2  
 Percent Of Aircraft Airborne . . . . . 2.8%  
 Crew Member Casualties . . . . . None

Bombing Results - Radar bombing - no strike photos obtained. Mission #232 - 1 aircraft.

SECRET

33RD STATISTICAL CONTROL UNIT

DECLASSIFIED  
 Authority NNP/45005  
 By NARA Date 5/11/11

SECRET

AIRCRAFT PARTICIPATING

MISSION DATE 292 & 238

UNIT	A/C ON LAND	A/C SCHED- ULD	A/C FALLING TO TALL OFF	A/C AT- TEND	TIME OF TAKE OFF			TIME OF RETURN			A/C BOMBING PRIMARY TARGET	A/C BOMBING OTHER TARGETS	A/C COMPLETING OTHER TYPE MISSIONS	TOTAL A/C EFFECTIVE	TOTAL A/C NON- EFFECTIVE
					DATE	FIRST	LAST	DATE	FIRST	LAST					
315 WG	88	38	3	35	26 June	0700 Z	0734 Z	Mission #232	2048 Z	2130 Z	-	1	-	34	1
					29 June	0730 Z	0811 Z	Mission #238	2045 Z	2305 Z	-	-	-		
315 WG	87	39	3	36	29 June	0730 Z	0811 Z		2045 Z	2305 Z	-	-	32	4	
TOTAL	175	77	6	71							-	1	-	66	5

NOTE: XXI BC Field Orders No. 90 & 92 called for 36 aircraft for each mission. Aircraft Landing At Iwo Jima: Mission #232 - 1 aircraft.

SECRET

DECLASSIFIED  
 Authority NWP 4505  
 BY NARA Date 5/11/11

SECRET

MISSION

DATE 29 & 29 June 1945

BREAKDOWN OF ALL AIRCRAFT FAILING TO BOMB PRIMARY TARGET

UNIT	MECHANICAL FAILURE			PERSONNEL ERROR			FLIGHT CONDITIONS			ENEMY ACTION			OTHER		
	Non-Effective	Bombed Secondary	Bombed Other	Non-Effective	Bombed Secondary	Bombed Other	Non-Effective	Bombed Secondary	Bombed Other	Non-Effective	Bombed Secondary	Bombed Other	Non-Effective	Bombed Secondary	Bombed Other
315 WG	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
315 WG	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-

SECRET

DECLASSIFIED  
 Authority NPPH/5005  
 By NARA Date 5/11/11

MISSION 292 & 298  
 DATE 26 & 29 June 1945

SECRET

BOMBING RUN

UNIT	TARGET BOMBED NAME OF TARGET	AIRCRAFT DROPPING BOMBS	TIME OF RELEASE		ALT. OF RELEASE		TARGET VISIBLE			TARGET NOT VISIBLE			
			EARLIEST	LATEST	LOWEST	HIGHEST	VISUAL SIGHTING ONLY	RADAR RUN WITH VISUAL CORRECTIONS	DROPPING ON LEADER	VIS. SIGHTING ON REFERENCE OR OFFSET PT.	RADAR RUN	DEAD RECK- ONING	DROPPING ON LEADER
315 WG	Itsube River Oil Refinery, Yokkaichi Kagata	33 1	1335 Z	1505 Z	Mission #292 15000	16000	-	3	-	-	30	-	-
			1415 Z	-	15400	-	-	-	1	-	-	-	-
315 WG	Nippon Oil Co., Kudamatsu	32	1506 Z	1537 Z	Mission #298 15400	16875	-	-	-	-	31	1	-
TOTAL	Primary Targets	65					-	3	-	-	61	1	-

SECRET

DECLASSIFIED  
 Authority NNP 4505  
 By NARA Date 5/11/11

MISSION 292 & 298  
 DATE 26 & 29 June 1945

SECRET  
 DISPOSITION OF BOMBS

UNIT	TYPE & WEIGHT OF BOMB	FUZE SETTING		LOADED ON AIRBORNE AIRCRAFT		RELEASED ON TARGETS						JETTISONED		RETURNED		UNKNOWN	
		Nose	Tail	No.	Tons	PRIMARY No.	Tons	No.	Tons	TARGET OF OPP. No.	Tons	No.	Tons	No.	Tons	No.	Tons
315 WG AN-M64	500# G.P.	.025	N.D.	945	236.2	891	222.8			27	6.7	27	6.7	-	-	-	-
315 WG AN-M64	500# G.P.	.1	.01	972	243.0	894	208.5			-	-	136	34.0	2	.5	-	-
TOTAL AN-M64	500# G.P.			1917	479.2	1725	431.3			27	6.7	163	40.7	2	.5	-	-

SECRET

DECLASSIFIED  
 Authority NMPH 5005  
 By BR NARA Date 5/14/11

SECRET

MISSION 232 & 238  
 DATE 26 & 29 June 1945

AIRCRAFT LOST AND DAMAGED PERSONNEL CASUALTIES

UNIT	AIRCRAFT LOST				AIRCRAFT DAMAGED						PERSONNEL CASUALTIES										
	ENEMY A/C	ENEMY A/A	ENEMY A/C & A/A	ENEMY ACC. & MECH.	OTHER	UN-KNOWN	TOTAL	ENEMY A/C	ENEMY A/A	ENEMY ACC. & MECH.	OWN GUNS	OTHER	UN-KNOWN	TOTAL MAJOR	TOTAL MINOR	TOTAL PARTICIPATING	KILLED	MISSING & INJURED	WOUNDED & INJURED	TOTAL CASUALTIES	
																					TOTAL
315 WG	-	-	1	-	-	-	None	-	-	-	-	-	-	-	1	-	352	-	-	-	None
315 WG	-	-	-	-	-	-	None	-	-	-	-	1	-	-	1	-	366	-	-	-	None
TOTAL	-	-	1	-	-	-	None	-	-	-	-	1	-	-	2	-	718	-	-	-	None

SECRET

FLIGHT DATA & FUEL CONSUMPTION

MISSION NUMBER	#232	#238
UNIT	315TH WING	315TH WING
AIRCRAFT CONSIDERED	33	32
AVERAGE FLYING TIME	14:00	14:45
FUEL CONSUMED:		
Average	5421	5601
Maximum	5679	5837
Minimum	5105	5207
FUEL REMAINING:		
Average	1320	1181
Maximum	1705	1578
Minimum	1091	948
AVERAGE GALLONS USED PER HOUR	387.2	379.7
TOTAL FUEL USED ON AIRBORNE A/C	184141	192444

DECLASSIFIED  
 Authority NPPH 5005  
 By BC NARA Date 5/11/11

WEIGHT DATA

	35	36
NUMBER AIRCRAFT AIRBORNE	35	36
AVERAGE BASIC WEIGHT OF AIRCRAFT	71612	71599
AVERAGE USEFUL LOAD	60397	60225
AVERAGE NUMBER OF BOMBS LOADED	27-M64 (Comp B) 16 A/C 27-M64 (TNT) 19 A/C	27-M64 (Comp B) 18 A/C 27-M64 (TNT) 18 A/C
AVERAGE WEIGHT OF BOMBS LOADED	14631	14647
AVERAGE FUEL LOADED	6785	6785
AVERAGE WEIGHT OF FUEL LOADED	40710	40710
AVERAGE MISCELLANEOUS WEIGHT	5056	4868
AVERAGE GROSS WEIGHT AT TAKE OFF	132009	131824

Bomb Weights: AN-M64 - TNT - 535 lbs.  
 AN-M64 - Comp B - 550 lbs.

DECLASSIFIED  
 Authority NMPH 5005  
 By NARA Date 5/14/11

SECRET

XXI BOMBER COMMAND

CONSOLIDATED STATISTICAL SUMMARY OF COMBAT OPERATIONS

FORM 34

MISSION NO. 245

2 July 1945

MARUZEN OIL REFINERY, MINOSHIMA, JAPAN

EFFECTIVENESS OF MISSION

Aircraft Airborne . . . . . 40  
 Percent of Aircraft On Hand . . . . . 46.0%  
 Aircraft Bombing Primary Target . . . . . 39  
 Percent Of Bombing Aircraft Airborne . . . . . 97.5%  
 Bombs Dropped On Primary Target . . . . . 297 tons  
 Bombs Dropped On Other Targets . . . . . 8 tons

Bombing Results - Preliminary reports indicate good results.

COST OF MISSION

Aircraft Lost . . . . . None  
 Aircraft Damaged . . . . . 1  
 Percent Of Aircraft Airborne . . . . . 2.5%  
 Crew Member Casualties . . . . . None  
 Aircraft Landing At Iwo Jima . . . . . 2

SECRET

ISSUED 10 JULY 1945  
 33RD STATISTICAL CONTROL UNIT



DECLASSIFIED  
 Authority NPPH 5005  
 By NARA Date 5/14/11

SECRET

MISSION 245  
 DATE 2 July 1945

AIRCRAFT PARTICIPATING

UNIT	A/C ON HAND	A/C SCHEDULED	A/C FAILING TO TAKE OFF	A/C AIRBORNE	TIME OF TAKE OFF			TIME OF RETURN			A/C BOMBING PRIMARY TARGET	A/C BOMBING SECONDARY TARGET	A/C BOMBING OTHER TARGETS	TOTAL A/C EFFECTIVE	TOTAL A/C NON-EFFECTIVE
					DATE	FIRST	LAST	DATE	FIRST	LAST					
315TH WING	87	41	1	40	2 Jul	0730 Z	0833 Z	2 Jul	2030 Z	2230 Z	39	--	1	40	--

SECRET

DECLASSIFIED  
 Authority NMPH 5005  
 By NARA Date 5/14/11

SECRET

MISSION 245  
 DATE 2 July 1945

BREAKDOWN OF ALL AIRCRAFT FAILING TO BOMB PRIMARY TARGET

UNIT	MECHANICAL FAILURE			PERSONNEL ERROR			FLIGHT CONDITIONS			ENEMY ACTION			OTHER		
	Non-Effective	Bombed Secondary	Bombed Other	Non-Effective	Bombed Secondary	Bombed Other	Non-Effective	Bombed Secondary	Bombed Other	Non-Effective	Bombed Secondary	Bombed Other	Non-Effective	Bombed Secondary	Bombed Other
315TH WING			1												

SECRET

DECLASSIFIED  
 Authority NPPH 5005  
 By NARA Date 5/14/11

MISSION 245

DATE 2 July 1945

SECRET

DISPOSITION OF BOMBS

UNIT	TYPE & WEIGHT OF BOMB	FUZE SETTING		LOADED ON AIRBORNE AIRCRAFT		RELEASED ON TARGETS				TARGET OF OPP.		JETTISONED		RETURNED		UNKNOWN	
		Nose	Tail	No.	Tons	No.	Tons	No.	Tons	No.	Tons	No.	Tons	No.	Tons	No.	Tons
315TH WING	AN-M64 500# G.P.	.025	Inst.	1240	310.0	1187	296.7			32	8.0	17	4.3	4	1.0		

SECRET

DECLASSIFIED  
 Authority NMPH 5005  
 By NARA Date 5/14/11

**S E C R E T**

MISSION 245  
 DATE 2 JULY 1945

**AIRCRAFT LOST AND DAMAGED - PERSONNEL CASUALTIES**

UNIT	AIRCRAFT LOST				AIRCRAFT DAMAGED						PERSONNEL CASUALTIES							
	ENEMY A/C	ENEMY A/A	ENEMY A/C & A/A	TOTAL	ENEMY A/C	ENEMY A/A	ENEMY A/C & A/A	ACC. & MECH	OWN GUNS	OTHER	UN-KNOWN	TOTAL MAJOR	TOTAL MINOR	TOTAL PARTICIPATING	KILLED	MISSING	WOUNDED & INJURED	TOTAL CASUALTIES
315TH WING				None							1			1	407			None

**S E C R E T**

DECLASSIFIED  
 Authority NPPH 5005  
 By NARA Date 5/14/11

SECRET

MISSION 572

DATE 2 July 1945

ENEMY OPPOSITION AND AMMUNITION EXPENDITURE

UNIT	ENEMY A/C SIGHTED	ATTACKS BY E/A	ENEMY A/C DESTROYED & DAMAGED			50 CALIBER AMMUNITION EXPENDITURE				
			TYPE OR MODEL	DESTROYED	PROB. DAMAGED	FIRED IN COMBAT	TEST FIRED	JETTISONED	ON LOST A/C	TOTAL
315TH WING	11	-	-	-	-	-	2440	-	-	2440

WEIGHT DATA

Bomb Weights:  
 AB-204 (1st) - 535 lbs.  
 AB-204 (Comp B) - 550 lbs.

SECRET

FLIGHT DATA & FUEL CONSUMPTION

MISSION 245  
 DATE 2 July 1945

MISSION NUMBER	315TH WING
	38
	13:32
	5536
	5917
	5180
	1230
	1645
	833
	409.8
	21846

## FLIGHT DATA &amp; FUEL CONSUMPTION

MISSION NUMBER	#245
UNIT	315TH WING
AIRCRAFT CONSIDERED	38
AVERAGE FLYING TIME	13:32
FUEL CONSUMED:	
Average	5536
Maximum	5917
Minimum	5140
FUEL REMAINING:	
Average	1230
Maximum	1645
Minimum	853
AVG. GALS. USED PER HOUR	409.2
TOTAL USED ON AIRBORNE AIRCRAFT	215460

## WEIGHT DATA

NUMBER AIRCRAFT AIRBORNE	40
AVG. BASIC WEIGHT OF AIRCRAFT	71592
AVERAGE USEFUL LOAD	61681
AVG. NUMBER OF BOMBS LOADED	15.9-M64 (Comp B) 15.1-M64 (TNT)
AVG. WT. OF BOMBS LOADED	16823
AVG. FUEL LOADED	6743
AVG. WT. OF FUEL LOADED	40455
AVG. MISC. WEIGHT	4403
AVG. GROSS WT. AT TAKE OFF	133273

Bomb Weight:

AN-M64 (TNT) - 535 lbs.

AN-M64 (Comp B) - 550 lbs.

DECLASSIFIED

Authority NPPH 5005

By BC NARA Date 5/14/11



FROM: COMGENBOMCOM 21

S E C R E T

TO: COMGENBOMWG 58  
COMGENBOMWG 73  
COMGENBOMWG 313  
COMGENBOMWG 314  
COMGENBOMWG 315

By Auth of CG XXI BC

*J. S. 29 June 45*  
Initials      Date

INFO: CO3RD PHOTO

XXI BOMBER COMMAND  
GUAM  
1000 29 JUNE 1945

FIELD ORDER NUMBER 90

Maps for Plotting: Japan Aviation Chart 1:218,880

1. Fighter escort will be furnished for this mission, two groups covering the Nagoya area and one group covering the Osaka Area.
2. The XXI Bom Com attacks targets 1833, 273A, 382, 1729, 1547, 196, 197, 240, 2940, 1684, employing four groups of the 58th, 73rd, 314th Wings, three groups of the 313th Wing and 2 groups of the 315th Wing.
3. a. 58th Wing:

(1) Target: Primary Visual and Radar - 90.25 - 263A - Sumitomo Light Metal Industry.

(a) MPI                                      FORCE  
039082                                      2 Groups

(b) Reference: XXI Bom Com Litho-Mosaic Osaka Area 90.25 Urban.

(c) Route: Base  
Iwo Jima  
Reassembly Area (3330N - 13515E)  
3353N - 13503E (Departure Point)  
3416N - 13504E (IP)  
Target  
3455N - 13526E  
3455N - 13538E  
Iwo Jima  
Base

(d) Altitude of attack: 18,000 feet.

(e) Bomb load: 4,000 lb LC fused instantaneous nose and non-delay tail.

(f) Time Control: Pass departure point at D Hour plus 50 min.

(2) Target: Primary Visual - 90.20 - 1833

(a) MPI                                      FORCE  
089069                                      1 Group  
074068                                      1 Group

(b) Reference: XXI Bom Com Litho Mosaic Kagamagihara Area, Kawasaki Aircraft Works 90.20 - 240.

(c) Primary Radar and Secondary Visual Target: City of Tsu, using 3439N - 13713E as IP.

(d) Route: Base  
Iwo Jima  
Reassembly Area (3330N - 13575E)  
3458N - 13555E (Departure Point)  
351630N - 13601E (IP)

DECLASSIFIED  
Authority NPPH 5005  
By NARA Date 5/11/11



FIELD ORDER NUMBER 90 CONTINUED

- (d) Altitude of attack: 15,000 feet.  
Target  
3520N - 13710E  
3437N - 13717E  
Iwo Jima  
Base
- (e) Altitude of attack: 15,000 feet.
- (f) Bomb load: 500 lb GP's fused instantaneous nose and non-delay tail.
- (g) Time Control: Pass departure point at D Hour plus 24 min.

- (3) Altitude enroute: 2,000 - 2,800 and 6,000 - 6,800 feet.
- (4) Method of attack: Column of squadrons.

b. 73rd Wing:

- (1) Target: Primary Visual and Radar - 90.25 - 382 - Osaka Army Arsenal.

- (a) MPI FORCE  
121106 3 Groups  
118112 1 Group

- (b) Reference: XXI Bom Com Litho-Mosaic 90.25 Urban.

- (c) Route: Base  
Iwo Jima  
Reassembly Area (3315N - 13425E)  
3357N - 13443E (Departure Point)  
3416N - 13504E (IF)  
Target  
3441N - 13545E  
Iwo Jima  
Base

- (d) Altitude of attack: 19,000 feet.
- (e) Bomb load: 2,000 lb GP's fused 1/40 nose and 1/40 tail with minimum intervalometer setting.
- (f) Time Control: Pass Departure Point at D Hour plus 30 min.
- (g) Altitude enroute: 3,000 - 3,800 and 7,000 - 7,800 feet.

c. 313th Wing:

- (1) Target: Primary Visual and Radar - 90.25 - 1547 - Kawasaki Aircraft Company.

- (a) MPI FORCE  
081046 1 Group

- (b) Reference: XXI Bom Com Litho-Mosaic Akashi Area.

- (c) Route: Base  
Iwo Jima  
Reassembly Area (3320N - 13340E)  
3331N - 13346E (Departure Point)  
3419N - 13441E (IF)  
Target  
3450N - 13503E  
3458N - 13430E  
Iwo Jima  
Base

DECLASSIFIED  
Authority NMPH 5005  
By NARA Date 5/11/11

FIELD ORDER NUMBER 90 CONTINUED

- (d) Altitude of attack: 15,000 feet.
- (e) Bomb load: 4,000 lb LC's fused instantaneous nose and non-delay tail.
- (f) Time Control: Pass departure point at D Hour plus 30 min.

(2) Target: Primary Visual and Radar Target 90.20 - 1729.

- (a) MPI FORCE  
033063 2 Groups
- (b) Reference: XXI Bom Com Litho-Mosaic 90.20 - 194
- (c) Route: Base  
Iwo Jima  
Reassembly Area (3320N - 13605E)  
3458N - 13555E (Departure Point)  
3509N - 13606E (IP)  
Target  
Right Turn  
3438N - 13717E  
Iwo Jima  
Base

- (d) Altitude of attack: 18,000 feet.
- (e) Bomb load: 2,000 lb GP's fused 1/100 nose and non-delay tail.
- (f) Time Control: Pass departure point at D Hour plus 12 min.

(3) Altitude enroute: 4,000 - 4,800 and 8,000 - 8,800 feet.

(4) Method of attack: Column of squadrons.

d. 314th Wing:

(1) Target: Primary Visual Target No. 90.20 - 240.

- (a) MPI FORCE  
080078 1 Group
- (b) Reference: XXI Bom Com Litho Mosaic Kagamagihara Area, Kawasaki Aircraft Works, 90.20 - 240.
- (c) Primary Radar and Secondary Visual Target: City of Tsu using 3439N - 13713E as an IP.
- (d) Route: Base  
Iwo Jima  
Reassembly Area (3358N - 13616E)  
3458N - 13555E (Departure Point)  
351630N - 13601E (IP)  
Target  
3520N - 13710E  
3437N - 13717E  
Iwo Jima  
Base

- (e) Altitude of attack: 16,000 feet.
- (f) Bomb load: 500 lb GP's fused instantaneous nose and non-delay tail.
- (g) Time Control: Pass departure point at D Hour plus 20 min.

DECLASSIFIED  
Authority NMPH 5005  
By NARA Date 5/11/11

FIELD ORDER NUMBER 90 CONTINUED

(2) Target: Primary Visual Target 90.25 - 197 - 241 Atsuta  
Factory Nagoya Arsenal, Nippon Vehicle Co.

(a) MPI FORCE

123032 1 Group

(b) Reference: XXI Bom Com Litho-Mosaic Nagoya area, Nagoya  
Arsenal - Atsuta Plant No. 90.20 - 197.

(c) Secondary Visual and Primary Radar - City of Tsu using  
3439N - 13713E as an IP.

(d) Route: Base  
Iwo Jima  
Reassembly Area (3358N - 13616E)  
3458N - 13555E (Departure Point)  
3509N - 13606E (IP)  
Target  
3503N - 13704E  
3438N - 13717E  
Iwo Jima  
Base

(e) Altitude of attack: 18,000 feet.

(f) Bomb load: 500 lb GP's fused 1/40 nose and non-delay  
tail.

(g) Time Control: Passes departure point at D Hour plus  
4 min.

(3) Primary Visual Target 90.20 - 196 Chigura Factory Nagoya  
Arsenal.

(a) MPI FORCE

076032 1 Group

(b) Reference: XXI Bom Com Litho-Mosaic Nagoya Area 90.20 -  
193.

(c) Secondary Visual and primary radar - City of Tsu using  
3439N - 13713E as an IP.

(d) Route: Base  
Iwo Jima  
Reassembly Area (3358N - 13616E)  
3458N - 13555E (Departure Point)  
3509N - 13606E (IP)  
Target  
3505N - 13707E  
3438N - 13717E  
Iwo Jima  
Base

(e) Altitude of attack: 18,000 feet.

(f) Bomb load: 500 lb GP's fused 1/40 nose and non-delay  
tail.

(g) Time Control: Pass Departure point at D Hour.

(4) Primary Visual and Radar Target No. 90.20 - 2040.

(a) MPI FORCE

073073 1 Group

(b) Reference: XXI Bom Com Litho-Mosaic Nagoya Area -  
Aichi Aircraft Works Atsuta Plant 90.20 - 198.

DECLASSIFIED  
Authority NPPH 5005  
By NARA Date 5/14/11

S E C R E T

FIELD ORDER NUMBER 90 CONTINUED

(c) Route: Base  
Iwo Jima  
Reassembly Area (3358N - 13616E)  
3458N - 13555E (Departure Point)  
3509N - 13606E (IP)  
Target  
Right Turn  
3438N - 13717E  
Iwo Jima  
Base

(d) Altitude of attack: 19,000 feet.

(e) Bomb load: 500 lb GF's fused 1/40 nose and non-delay tail.

(f) Time Control: Passes Departure point at D Hour plus 8 min.

(5) Altitude enroute: 5,000 - 5,800 and 9,000 - 9,800 feet.

(6) Method of attack: Column of squadrons.

e. 315th Wing:

(1) Primary Visual and Radar Target - 90.20 - 1684 - The Utsube River Oil Refinery.

(a) MFI FORCE  
068019 36 aircraft

(b) Reference: XXI Bom Com Litho-Mosaic Yokkaichi Area - Utsube River Oil Refinery 90.20 - 1684.

(c) Route: Base  
Iwo Jima  
343430N - 13710E (IP)  
Target  
Left turn avoiding flak area  
Iwo Jima  
Base

(d) Altitude of attack: 15,000 feet base.

(e) Bomb load: 500 lb GF's fused 1/40 nose and non-delay tail.

(f) Time Control: Zero Hour is 261700K.

(g) Method of attack: Individual aircraft.

(h) Altitude enroute: 7,000 - 7,800 and 9,000 - 9,800 feet.

x. D Day and D Hour: 261800K.

4. a. No change.

b. Tactical Mission Number: 196 - 226  
197 - 227  
2040 - 230  
1729 - 229  
240 - 231  
1833 - 228  
1547 - 225  
382 - 224  
263A - 223  
1684 - 232

5. Communications:

DECLASSIFIED  
Authority NNP/HS/05  
By NARA Date 5/11/11

FIELD ORDER NUMBER 90 CONTINUED

- a. (1) XXI Bom Com SOI and SOP for strike reports, contact reports and IFF procedures.
- (2) Each flight squadron will be equipped to barrage jam the region 190-210 megacycles.
- (3) Observations of the extent and reliability of the barrage will be made while over the target.
- (4) Spot jamming will be conducted over the frequency ranges 180-190 and 210-220 megacycles, as desired by the wing RCM officer and as governed by the capability of each wing.
- (5) Jammers will be kept in operation at all times when closer than 50 miles to Honshu, and will be turned off at all other times, except for preflight and postflight frequency checks which are to be made on the ground while the jammers are installed in the airplanes.

*James W. Schuler*  
*for*  
 MONTGOMERY  
 D/OPNS

KISSNER  
 COM GEN XXI BOM COM

DISTRIBUTION: 2 Ea Wing

*Special*  
*John S. Montgomery*  
 Colonel, G. S. C.  
 S C/S, Operations

- DISTRIBUTION:
- 1 - CG, 21st Bomb Wing
  - 2 - CG, 13th Bomb Wing
  - 2 - CG, 23rd Bomb Wing
  - 1 - CG, 31st Bomb Wing
  - 1 - CG, 315th Bomb Wing
  - 1 - CG, VII Fighter Group (CG 71A)
  - 1 - CG, 3rd Photo Recon Sq
  - 1 - 4-3 Tactics, XXI BC
  - 1 - Historian, XXI BC
  - 2 - 33rd SQU, XXI BC
  - 1 - Communications, XXI BC
  - 1 - G-5, XXI BC
  - 2 - G-2, XXI BC
  - 1 - SAC Reporting, XXI BC
  - 1 - SAC, XXI BC

DECLASSIFIED  
 Authority NND 5005  
 By *RS* NARA Date 5/14/11

SECRET

SECRET

Auth: CG XXI BC  
Initials: WTC  
Date: 29 June 1945

FIELD ORDERS )  
                  )  
NUMBER 90 )

XXI BOMBER COMMAND  
GUAM  
29 June 1945 - 1100K

Amendment Number 1, Field Orders Number 90.

Change target 273A in paragraph 2 to read: 263A.

Change target number in paragraph 3d (2) to read:

- (2) Primary visual target: 90.20 - 197/241, ATSUTA FACTORY, NAGOYA ARSENAL, NIPPON VEHICLE CO.

BY COMMAND OF MAJOR GENERAL LeMAY:

A W KISSNER  
Brigadier General, USA  
Chief of Staff

OFFICIAL:

*John B Montgomery*  
JOHN B MONTGOMERY  
Colonel, G. S. C.  
D C/S, Operations

DISTRIBUTION:

- 2 - CG, 58th Bomb Wing
- 2 - CG, 73rd Bomb Wing
- 2 - CG, 313th Bomb Wing
- 2 - CG, 314th Bomb Wing
- 2 - CG, 315th Bomb Wing
- 1 - CG, VII Fighter Comd (CTG 934)
- 1 - CG, 3rd Photo Recon Sq
- 6 - A-3 Tactics, XXI BC
- 1 - Historian, XXI BC
- 2 - 33rd SCU, XXI BC
- 1 - Communications, XXI BC
- 1 - OAS, XXI BC
- 2 - CIU, XXI BC
- 1 - A-2 Reporting, XXI BC
- 4 - A-2, XXI BC

486/1

DECLASSIFIED  
Authority NPPH 5005  
By *[Signature]* NARA Date 5/11/11

SECRET

S E C R E T

FROM: COMGENBOMCOM 21  
TO : COMGENBOMWG 315  
INFO: COMGENBOMWG 58  
COMGENBOMWG 73  
COMGENBOMWG 313  
COMGENBOMWG 314

S E C R E T

By Auth of CG XXI BC

JCC      0-28  
Initials      Date

XXI BOMBER COMMAND  
GUAM  
1800K 28 JUNE 1945

FIELD ORDER NUMBER 92

1. Omitted.
2. The XXI Bomber Command attacks target 90.32 - 672 employing 36 aircraft of the 315th Bomb Wing.
3. a. Omitted.  
b. Omitted.  
c. Omitted.  
d. Omitted.  
e. 315th Wing:

(1) Primary Target: 90.32 - 672, Kudomatsuo Plant of Nippon Oil Co.

(a) MPI

Force Required

048016

36 A/C (315th Wing)

(b) Reference: XXI BomCom Litho-Mosaic Tokuyama Approach.

(2) Route:

Base  
Iwo Jima  
3255N - 13205E  
3334N - 13126E (IP)  
Target  
330130N - 13306E  
Iwo Jima  
Base

- (3) Altitude of Attack: 15,000 feet to 16,000 feet.
- (4) Bomb Load: 500 lb GP's fused 1/10 nose , 1/100 tail.
- (5) Altitudes Enroute to Target: 5,000 feet to 5,800 feet.  
7,000 feet to 7,800 feet.
- (6) Method of Attack: By individual aircraft employing direct synchronous radar bombing. Strike will be compressed into shortest time practical.
- (7) D-Day and Zero Hour: 291730K.

S E C R E T

448/2

DECLASSIFIED

Authority NMPH 5005  
By RS NARA Date 5/14/11

S E C R E T

FIELD ORDER NUMBER 92 CONTINUED

- x. Omitted.
- 4. a. No change.
- b. Tactical Mission Number 238.
- 5. a. XXI BomCom SOI and SOP for strike reports, contact reports, and IFF procedure.

KISSNER  
COMGENBOMCOM 21

*Montgomery*  
MONTGOMERY  
D/OPNS

DISTRIBUTION: 2 ea wg.

DECLASSIFIED  
Authority NMPH/so5  
By *BC* NARA Date 5/14/11

S E C R E T



FROM: COMGENBOMCOM 21  
TO: COMGENBOMWG 315  
INFO: COMGENBOMWG 58  
COMGENBOMWG 73  
COMGENBOMWG 313  
COMGENBOMWG 314  
CO3RD PHOTO

S E C R E T  
By Auth of CG XXI BC  
*JWS* *Jul 45*  
Initials Date  
XXI BOMBER COMMAND  
GUAM  
1200K 2 July 1945

FIELD ORDER NUMBER 94.

1. Omitted.
2. The XXI Bom Com attacks target number 90.25-1764, the Maruzen Oil Refinery, employing a minimum of 36 aircraft of the 315th Bomb Wing.
3. a.)  
b.)  
c.)  
d.)  
Omitted.
- e. The 315th Wing:
  - (1) Primary Target: Number 90.25 Maruzen Oil Refinery.

(a) <u>MPI</u>	<u>FORCE REQUIRED</u>
126093	36 Aircraft (Minimum)
  - (b) Reference: XXI Bom Com Litho Mosaic Wakayama Area, Maruzen Oil Refinery 90.25-1764.
  - (2) Route: Base  
Iwo Jima  
3322N - 13403E  
3350N - 1344430E (IP)  
Target  
3335N - 13557E  
Iwo Jima  
Base
  - (3) Altitude of Attack: 15,000 to 16,000 feet.
  - (4) Bomb Load: 500 lb GP's fused 1/40 nose and non delay tail with minimum intervalometer setting.
  - (5) Altitude Enroute: 5000-5800 and 7000-78000 feet.
  - (6) Method of Attack: By individual aircraft employing direct synchronous radar bombing.
  - (7) D-Day and Zero-Hour: 021730K.
- x. Omitted.
4. a. No change.  
b. Tactical Mission Number 245.
5. XXI Bom Com SOI and SOP for strike reports, contact reports and IFF procedure.

*James W. Schouler*  
MONTGOMERY  
D/OPNS

KISSNER  
COMGENBOMCOM 21

DISTRIBUTION: 2 ea Wing.

S E C R E T

459/1

DECLASSIFIED  
Authority NNP 45005  
By *RS* NARA Date 5/11/11

ANNEX

G

DISTRIBUTION LIST

Missions No. 232 - 238 - 245

26, 29 June and 2 July 1945

DISTRIBUTION

TACTICAL MISSION REPORT

Copy No.

- |         |  |
|---------|--|
| 1       | Commanding General; Army Air Forces  |
| 2       | Commanding General; U.S. Army Strategic Air Forces (Rear)  |
| 3       | Commanding General, U.S. Army Strategic Air Forces (Guam)  |
| 4 - 5   | Chief of Staff, U.S. Army Strategic Air Forces (Guam)  |
| 6       | Commanding General; Twentieth Air Force  |
| 7       | Commanding General; Eighth Air Force (Okinawa)   |
| 8       | Commander in Chief, U.S. Army forces, Pacific  |
| 9       | Chief of Naval Operations, OP-16-V   |
| 10      | Commander in Chief; Pacific Fleet (Adv Hq)   |
| 11      | Commander in Chief, Pacific Fleet (Rear Hq)  |
| 12      | Commander Air Force, Pacific Fleet   |
| 13      | Commander; Third Fleet   |
| 14      | Commander; Fifth Fleet   |
| 15      | Commander; First Carrier Task Force  |
| 16      | Commander, Marianas  |
| 17      | Commanding General; U.S. Army Forces, Middle Pacific   |
| 18      | Commanding General; Allied Air Forces, SWPA  |
| 19      | Commanding General; Far East Air Forces  |
| 20      | Commanding General; U.S. Strategic Air Forces in Europe  |
| 21      | Commanding General; Mediterranean Allied Air Forces  |
| 22      | Commanding General; Fifteenth Air Force  |
| 23 - 24 | Commanding General; Seventh Air Force  |
| 25      | Commanding General; VII Bomber Command   |
| 26 - 27 | Commanding General; VII Fighter Command  |
| 28      | Commanding General; Eleventh Air Force   |
| 29 - 33 | Commanding General, 301st Fighter Wing   |
| 34      | Command Hq, Allied Air Forces, SWPA<br>ATTN: Senior Intelligence Officer, R.A.A.F.   |
| 35      | Commander in Chief, U.S. Army Forces, Pacific<br>ATTN: G-2 (For Section 22, RCM)   |
| 36      | Officer in Charge, Joint Intelligence Center<br>Pacific Ocean Areas  |
| 37      | Commanding General, Army Air Forces<br>ATTN: AC/AS Intelligence  |
| 38 - 67 | Commanding General, Army Air Forces<br>ATTN: AC/AS, Intelligence, Collection Division  |
| 68 - 69 | Commanding General, U.S. Army Strategic Air Forces (Guam)<br>ATTN: Intelligence  |
| 70      | Commanding General, U.S. Army Strategic Air Forces (Guam)<br>ATTN: Communications<br>FOR: Counter Measures Air Analysis Center |
| 71      | Commanding Officer, Twentieth Air Force Lead Crew School   |
| 72      | Brigadier General, H.S. Hansell, Jr.   |
| 73      | Chief of Staff, Twentieth Air Force  |
| 74      | Deputy C/S, Opns, Twentieth Air Force  |
| 75      | AC of S, A-2, Twentieth Air Force  |
| 76      | Chemical Warfare Officer, Twentieth Air Force  |
| 77      | Ordnance Officer, Twentieth Air Force  |
| 78      | Director of Tactics, A-3, Twentieth Air Force  |
| 79 - 80 | Historical Officer, Twentieth Air Force  |

DECLASSIFIED  
 Authority NNP/7/5005  
 BY NARA Date 5/14/11

81 Commanding General; 58th Bombardment Wing  
 82 Commanding General; 73rd Bombardment Wing  
 83 Commanding General; 313th Bombardment Wing  
 84 Commanding General; 314th Bombardment Wing  
 85 Commanding General; 315th Bombardment Wing  
 86 Commanding Officer; 3rd Photo Reconnaissance Sq  
 87 Commanding Officer; 41st Photo Reconnaissance Sq  
 88 Commanding Officer; 55th Reconnaissance Sq, Long Range  
 Weather  
 89 Commanding Officer, Twentieth Air Force Combat Staging  
 Center (Provisional)  
 90 Commanding Officer; 33rd Statistical Control Unit  
 91 Commanding Officer; 6th Bomb Group (VH)  
 92 Commanding Officer; 9th Bomb Group (VH)  
 93 Commanding Officer; 16th Bomb Group (VH)  
 94 Commanding Officer; 19th Bomb Group (VH)  
 95 Commanding Officer; 29th Bomb Group (VH)  
 96 Commanding Officer; 39th Bomb Group (VH)  
 97 Commanding Officer; 40th Bomb Group (VH)  
 98 Commanding Officer; 330th Bomb Group (VH)  
 99 Commanding Officer; 331st Bomb Group (VH)  
 100 Commanding Officer; 444th Bomb Group (VH)  
 101 Commanding Officer; 462nd Bomb Group (VH)  
 102 Commanding Officer; 468th Bomb Group (VH)  
 103 Commanding Officer; 497th Bomb Group (VH)  
 104 Commanding Officer; 498th Bomb Group (VH)  
 105 Commanding Officer; 499th Bomb Group (VH)  
 106 Commanding Officer; 500th Bomb Group (VH)  
 107 Commanding Officer; 501st Bomb Group (VH)  
 108 Commanding Officer; 502nd Bomb Group (VH)  
 109 Commanding Officer; 504th Bomb Group (VH)  
 110 Commanding Officer; 505th Bomb Group (VH)  
 111 Commanding Officer; 509th Composite Group  
 112 Commanding Officer; 15th Fighter Group (VLR)  
 113 Commanding Officer; 21st Fighter Group (VLR)  
 114 Commanding Officer; 414th Fighter Group (VLR)  
 115 Commanding Officer; 506th Fighter Group (VLR)  
 116 Reporting Unit; A-2; Twentieth Air Force (File Copy)  
 117 - 130 Reporting Unit, A-2, Twentieth Air Force

DECLASSIFIED

Authority NWP 4505

By NARA Date 5/11/11