

MISSION COVERAGE SUMMARY

MISSION B 4087

29 AUGUST 1958



PIC/MCS-2/59

MARCH 1959

WARNING: HANDLE VIA TALENT CONTROL CHANNELS ONLY

CENTRAL INTELLIGENCE AGENCY

PHOTOGRAPHIC INTELLIGENCE CENTER

This document contains information usable only within the TALENT CONTROL SYSTEM. It is to be seen on a MUST-KNOW BASIS ONLY BY PERSONNEL ESPECIALLY INDOCTRINATED AND AUTHORIZED. Reproduction is prohibited unless approved by the originator.

TOP SECRET

T
A
L
E
N
T

WARNING

This material contains information affecting the National Defense of the United States within the meaning of the espionage laws, Title 18, USC, Secs. 793 and 794, the transmission or revelation of which in any manner to an unauthorized person is prohibited by law.

PIC/MCS-2/59
March 1959

MISSION COVERAGE SUMMARY

Mission B 4087
29 August 1958

Summary of Coverage

Mission B 4087, flown 29 August 1958, covers portions of Northern Iran lying along the Caspian Sea and eastward and westward near the 37th Parallel. The mission also covers a small segment of the Iranian-USSR border near Ashkhabad and a small part of the northwest corner of Afghanistan.

Quality

Quality of the photo coverage is generally good. The weather was clear, with some haze in the portions of the flight over mountains.

Map References

USAF World Aeronautical Charts, 1:1,000,000
337 Kug-i-Tang-Tau Range
338 Kopet Mountains
339 Savalan Mountain
429 Dasht-e-Kavir
430 Hari River

AMS K502 (Iran) and N502 (USSR) Series, 1:250,000

AMS K502: NJ 38 sheets 11, 12, 15, 16; NJ 39 sheets 9, 10, 13-16;
NJ 40 sheets 10, 11, 13-16.

AMS N502: NJ 40 sheets 6, 7, 9, 12; NJ 41 sheet 13.

Notes

1. Information is listed by categories, as shown in the Table of Contents. Arrangement within categories is as follows: Airfields and Urban Areas -- alphabetically by (1) country and (2) city or installation; all other categories -- by (1) country, (2) WAC number, and (3) exposure number. An index of geographic names concludes the report.

2. The abbreviation ASSOTW in the report stands for the "Airfields and Seaplane Stations of the World" series, while ATMP designates mosaics and charts in the "Air Target Materials Program" series.

3. Coordinates: All latitude readings are north; longitude readings East.

PIC/MCS-2/59

Table of Contents

	<u>Page No.</u>
Introduction	1
Airfields	3
Electronics and Wireless Communications	4
Industries	4
Liquid Fuels	4
Military Installations	5
Ports and Harbors	5
Transportation	6
Urban Areas	7
Index of Geographic Names	10

Page 2

Mission No. B 4087 Report No. PIC/MCS-2/59
Date of Photography 29 August 1958 Date of Report March 1959

Country	WAC	Lat.	Long.	Exp.	Cam.	Photo Point	Quality	Description	Item
				25X1D					
				AIR FIELDS					
Afghanistan	430	34-11	62-14				P	Herat A/F (0430-8400); 2 rolled-earth runways, N/S runway 5,200' x 150', NNE/SSW runway 7,000' x 300' looks new, taxiway, large hardstand; no a/c observed	1
Iran	338	37-28	57-20				G	Bujnurd (Birjand); airstrip reported in this area in ASSOTW 1957 not observed; prob abandoned	2
Iran	338	36-53	54-29				G	25X1D Gurgan A/F (); 2 natural-surface runways in X pattern; prob serviceable, prob inactive; otherwise as shown in ASSOTW Apr 57; no a/c observed	3
Iran	338	36-16	59-36				G	25X1D Mashhad A/F (); as shown in ASSOTW Dec 56; with u/i communications facility at S end of field, near administration bldg, having ground radials on 10° centers, 2 small bldgs; no a/c observed	4
Iran	338	36-45	53-29				G	U/i A/F approx 4 nm N of Behshahr; E/W natural-surface runway approx 2,500' x 120'; no a/c observed	5
USSR	338	37-55	58-05				P	25X1D Ashkhabad/Firyuza A/F (); NNW/SSE runway, prob concrete, with parallel taxiway; information limited by scale	6
USSR	338	37-58	58-22				P	25X1D Ashkhabad Northwest A/F (); NW/SE runway, poss concrete, with parallel taxiway; information limited by scale	7
USSR	338	37-54	58-24				P	Ashkhabad Southeast A/F () natural-surface landing area; information limited by scale	8
USSR	338	37-40	58-19				P	Poss landing strip just inside USSR border S of Ashkhabad; 2 prob rolled-earth runways	9

Mission No. B 4087 Report No. PIC/MCS-2/59
Date of Photography 29 August 1958 Date of Report March 1959

Country	WAC	Lat.	Long.	Exp.	Cam.	Photo Point Quality	Description	Item
				25X1D			in X pattern; no a/c observed	
ELECTRONICS AND WIRELESS COMMUNICATIONS								
Iran	338	36-17	59-35			G	Prob communications station S of Mashhad Military Barracks; 2 pole-type antennas, prob transmitter bldg	1
Iran	338	37-23	55-45			G	Prob beacon, poss electronics site, on top of Reshteh-yekusvan (Mountain); road u/c from site to near Besh Evli	2
USSR	338	37-54	58-24			P	One tall tower on SW edge of Ashkhabad; information limited by scale	3
INDUSTRIES								
Iran	338	36-40	59-09	25X1D		F	U/i industry along road between Mashhad and Quchan; 3 large storage tanks, 5 bldgs; housing area with approx 40 small bldgs adjacent to plant	4
Iran	338	36-18	52-55			G	Prob sawmill at Shirgah; 2 rail spurs from Trans-Iranian RR serve mill area; prob track-side log storage	5
Iran	339	36-28	52-52			G	Large industrial plant just E of Shahi; fabrication-type industry, new construction	6
Iran	339	36-40	51-26			G	Large industrial plant, prob assembly-type, at Chalus; approx 10 large bldgs	7
LIQUID FUELS								
Iran	338	36-17	59-38	25X1D		G	POL storage at road-rail transfer point, Mashhad; 3 tanks approx 55' diameter, one tank approx 44' diameter, 3 smaller tanks, poss underground storage	8
Iran	338	36-56	54-05	25X1D		G	Bandar Shah POL storage; 8 POL storage tanks, prob drum storage; 10	9

Mission No. B 4087 Report No. PIC/MCS-2/59
Date of Photography 29 August 1958 Date of Report March 1959

Country	WAC	Lat.	Long.	Exp.	Cam.	Photo Point	Quality	Description	Item
Iran	339	36-28	52-51	25X1D [REDACTED]			G	associated bldgs; area enclosed by wall 25X1D Shahi POL storage Anglo Iranian [REDACTED] approx 20 storage tanks adjacent to Trans-Iranian RR	1
MILITARY INSTALLATIONS 25X1D									
Iran	338	36-17	59-35	[REDACTED]			G	Military barracks at Mashhad [REDACTED]; approx 35 barracks, 15 poss storage bldgs, 5 poss administration bldgs; numerous trenches, approx 75 vehicles, 7 poss tanks or tracked vehicles	2
Iran - USSR	338	37-40	58-09	[REDACTED]			P	USSR - Iranian border; prob fence with several guard towers	3
Iran	338	37-28	57-25	[REDACTED]			G	Prob military barracks area just W of Bujnurd (Birjand); approx 15 bldgs; firing range	4
Iran	430	35-11	60-37	[REDACTED]			G	Prob army barracks at Torbat-e-sheykh Jam; 12 prob barracks, approx 10 storage-type bldgs, 3 prob administration bldgs; motor pool	5
PORTS AND HARBORS									
Iran	338	36-54	54-05	[REDACTED]			G	Bandar Shah Port Facilities (0338-0015); constructed harbor; 2 oil-bunkering piers; 2 piers for small craft	6
Iran	339	36-40	51-30	[REDACTED]			G	Now Shahr Port Facility [REDACTED] 25X1D (0045) on S shore of Caspian Sea E of Chalus; shown in [REDACTED] 25X1D ([REDACTED]) 25X1D June 57; 2 long breakwaters, prob rock fill, form sheltered harbor; quay side berthing in landward part; prob floating crane; 3 ships	7

Mission No. B 4087 Report No. PIC/MCS-2/59
Date of Photography 29 August 1958 Date of Report March 1959

Country	WAC	Lat.	Long.	Exp.	Cam.	Photo Point Quality	Description	Item
TRANSPORTATION								
Afghanistan	430	34-18	62-08			G	Highway bridge approx 800' long across Hari River just S of Herat; deck-type	1
Iran	338	approx 36-00	approx 59-45			G	Highway bridge approx 150' long u/c approx 16 nm S of Mashhad	2
Iran	338 429	35-58 36-18	59-30 59-45			G	New RR line, Shahrud to Mashhad; extends SSE from Mashhad terminal, E of approx alignment shown on AMS Series K502, sheet NJ 40-16, to large u/i stream approx 16 nm from Mashhad, thence W toward Shahrud; train running S at approx 36-07N, 59-45E, consists of 2-unit locomotive, 14 units of rolling stock, shown on exposures XXXXXXXXXX passing tracks on exposures XXXXXXXXXX and XXXXXXXXXX	3
			25X1D			25X1D		
						25X1D		
Iran	338	36-12	59-41			G	RR bridge approx 220' long over Kol-e-Toroq (stream) approx 7 nm S of Mashhad; 11-span, deck-type	4
Iran	338	36-18	59-38			G	RR terminal at Mashhad; station, sidings, classification yard, turning wye; transit storage shed; road-rail transfer facility; approx 50 units of rolling stock	5
Iran	338	37-23	55-45			G	All-weather road u/c from vicinity of Besh Evli to prob beacon, poss electronics site, on top of Reshteh-ye-Kusvan (Mountain) 25X1D	6
Iran	338	36-54	54-06			G	Bandar Shah RR station, yards and shops XXXXXXXXXX 7-track classification yard, turning wye with 3 POL storage tanks adjoining, approx 150 units of rolling stock	7

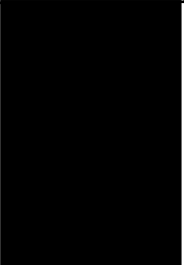
Mission No. B 4087 Report No. PIC/MCS-2/59
Date of Photography 29 August 1958 Date of Report March 1959

Country	WAC	Lat.	Long.	Exp.	Cam.	Photo Point	Quality	Description	Item		
Iran	338	36-40	53-08			25X1D	G	New road u/c near Dang Sarak, 7 nm ENE of Sari	1		
Iran	338	36-34	53-05				G	25X1D Sari Highway Bridge () 700' long, over Tajan River; deck-type continuous-girder, 2-lane	2		
Iran	338	36-34	53-05				G	25X1D Sari RR bridge () approx 450' long, over Tajan River; 3 through-type Parker trusses, single track	3		
Iran	338	36-34	53-05				G	RR classification yard at Sari; approx 5 tracks, turntable; approx 15 units of rolling stock	4		
Iran	339	36-28	52-51				G	RR yard at Shahi; 4 tracks; approx 20 units of rolling stock	5		
Iran	339	36-28	52-20				G	Two highway bridges across Rudkhaneh-ye-Hezar (River) at Amul; one 550' long 2-span through-type steel truss, 2-lane; one 350' long deck type, prob wood, single-lane	6		
Iran	339	36-40	51-26				G	25X1D Chalus Highway Bridge () approx 400' long, over Chalus River; through-type truss, 2-lane	7		
Iran	339	36-28	52-20				URBAN AREAS				
Iran	339	36-28	52-20				G	Amul	8		
Iran	338	36-48	53-56				G	Bandar Gaz; approx 8 nm SW of Bandar Shah	9		
Iran	338	36-54	54-05				G	Bandar Shah; port and terminus of Trans-Iranian RR; several small industries; open storage; improved road net	10		
Iran	338	36-43	53-33	G	Behshahr; u/i construction on hilltop SW of town; several u/i industries	11					

Mission No. B 4087 Report No. PIC/MCS-2/59
Date of Photography 29 August 1958 Date of Report March 1959

Country	WAC	Lat.	Long.	Exp.	Cam.	Photo Point	Quality	Description	Item
Iran	338	37-28	57-22				G	Bujnurd (Birjand)	1
Iran	339	36-40	51-26				G	Chalus	2
Iran	429	35-44	59-53				G	Fariman; approx 36 nm SSE of Mashhad	3
Iran	338	37-05	54-05				G	Gumshan; small town on SE coast of Caspian Sea near USSR-Iranian border	4
Iran	338	37-15	55-10				G	Gunbad-i-Kawus; brick kilns; small industries; plot layout for future city expansion	5
Iran	338	36-52	54-29				G	Gorgan; several small industries; poss military installation	6
Iran	338	36-48	54-06				G	Kurd Kui; u/i industrial plant	7
Iran	338	36-17	59-38				G	Mashhad; new RR terminal, transshipment point, near NE Iranian border	8
Iran	338	37-14	55-22				G	Minudasht	9
Iran	338	37-12	58-30				G	Quchan	10
Iran	338	36-34	53-04				G	Sari	11
Iran	339	36-28	52-51				G	Shahi; 4 large u/i industries, POL storage, RR yards; prob expansion under way	12
Iran	338	37-23	57-53				G	Shirvan	13
Iran	430	35-11	60-37				G	Torbat-e-Sheykh Jam, approx 80 nm SE of Mashhad; prob	14

Mission No. B 4087 Report No. PIC/MCS-2/59
Date of Photography 29 August 1958 Date of Report March 1959

Country	WAC	Lat.	Long.	Exp.	Cam.	Photo Point Quality	Description	Item
USSR	338	37-57	58-24			P	army installation 25X1D Ashkhabad; 	1
USSR	338	38-26	56-16			G	Kara-Kala; 	2
							25X1D	

TOP SECRET CHASS

PIC/MCS-2/59

INDEX OF CITIES, VILLAGES AND NATURAL FEATURES

<u>Name</u>	<u>Page</u>	<u>Item</u>	<u>Name</u>	<u>Page</u>	<u>Item</u>
Amul	7	6	Gurgan	8	6
	7	8			
Ashkhabad	3	9	Gurgan A/F	3	3
	4	3	Hari River	6	1
	9	1			
Ashkhabad/Firyuza A/F	3	6	Herat	6	1
Ashkhabad/Northweat A/F	3	7	Herat A/F	3	1
Ashkhabad/Southeast A/F	3	8	Kara-Kala	9	2
Bandar Gaz	7	9	Kurd Kui	8	7
Bandar Shah	4	9	Kol-e-Toroq (stream)	6	4
	5	6	Mashhad	4	1
	6	7		4	4, 8
	7	9, 10		5	2
Behshahr	3	5		6	3, 4, 5
	7	11		8	3, 8, 14
Besh Evli	4	2	Mashhad A/F	3	4
	6	6	Minudasht	8	9
Birjand see Bujnurd			Now Shahr (Port)	5	7
Bujnurd (Birjand)	3	2	Quchan	4	4
	5	4		8	10
	8	1			
Chalus	4	7	Reshteh-ye-Kusvan	4	2
	5	7	(Mountain)	6	6
	7	7	Rudkhaneh-ye-Hezar	7	6
	8	2	(River)		
Dang Sharak	7	1	Sari	7	1, 2, 3,
Fariman	8	3			4
Gumshan	8	4	Shahi	8	11
Gunbad-i-Kawus	8	5		4	6
				5	1
				7	5
				8	12

TOP SECRET CHASS

PIC/MCS-2/59

<u>Name</u>	<u>Page</u>	<u>Item</u>	<u>Name</u>	<u>Page</u>	<u>Item</u>
Shirgah	4	5			
Shirvan	8	13			
Tajan River	7	2, 3			
Torbat-e-sheykh Jam	5	5			
	8	14			
USSR-Iranian border	5	3			
	8	4			

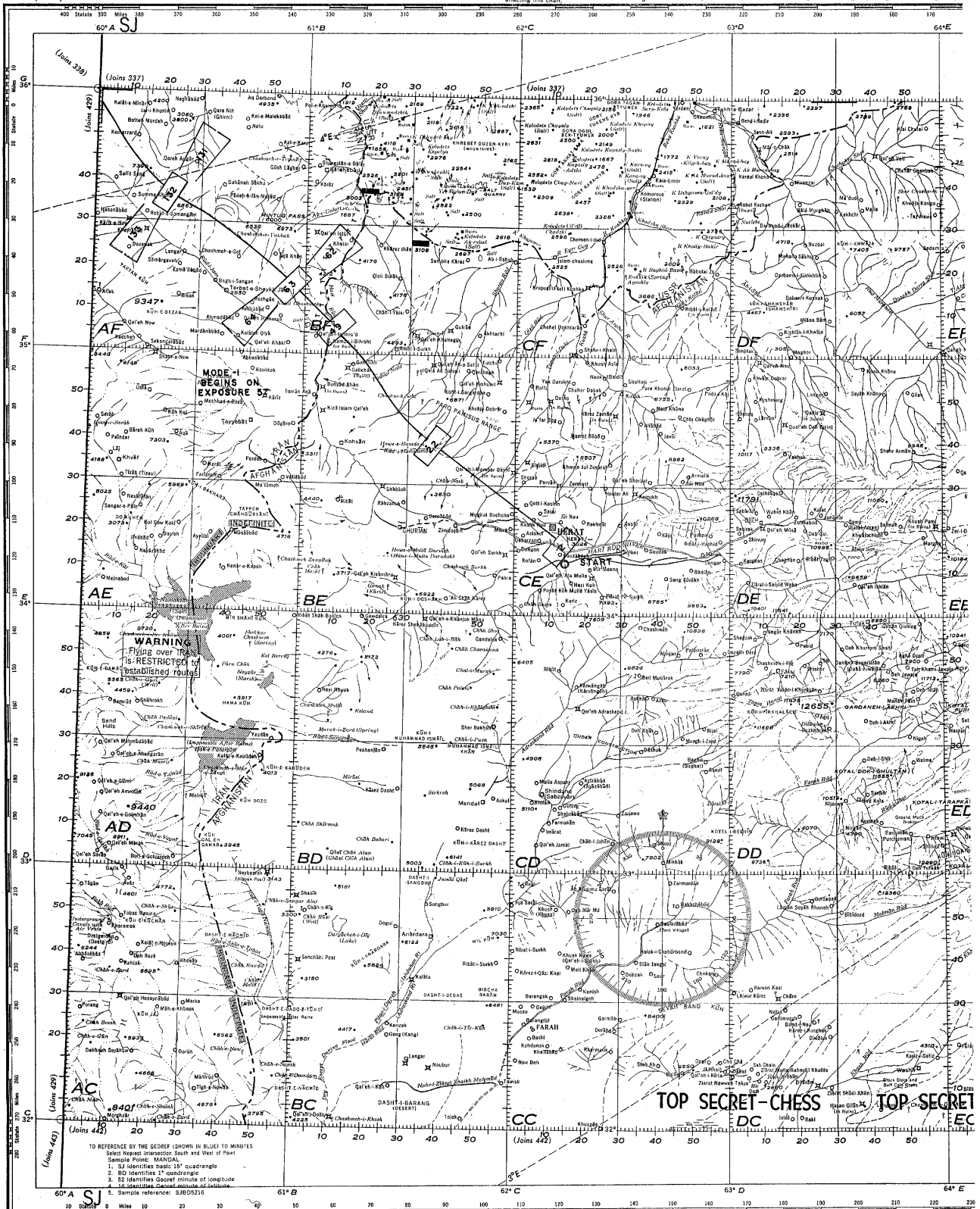
Page 11

(430) HARI RIVER

N3200 E6000/400x700

Consult Notams, Radio Facility Charts and
ACIC Bulletins for the latest information
affecting this chart.

WORLD AERONAUTICAL CH.

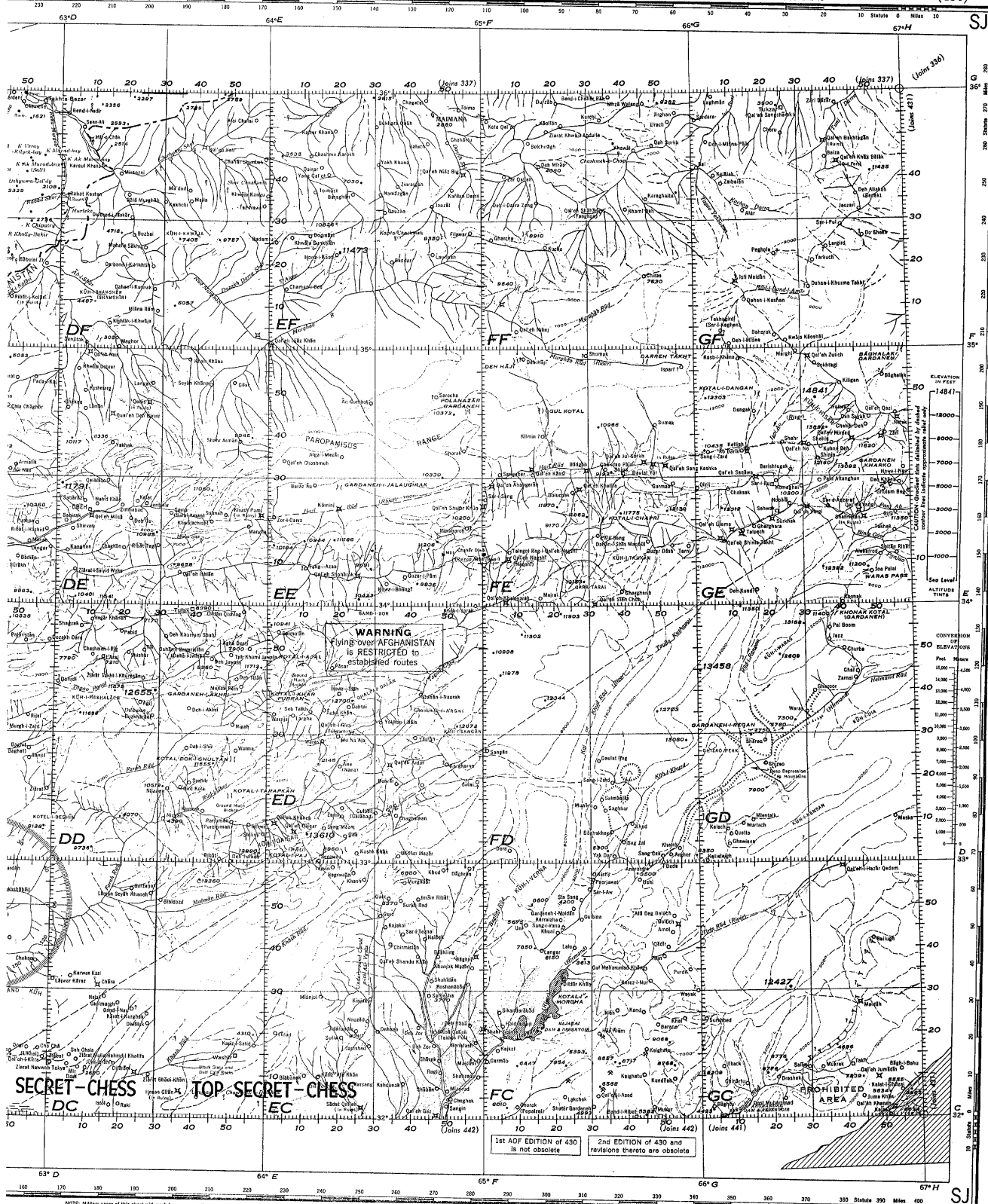


(430)

WORLD AERONAUTICAL CHART

Lambert Conformal Conic Projection
Standard Parallels 33° and 45°

(430)



WAC 339

6th EDITION

Consult National Radio Facility Charts and
AIC Bulletins for the latest information
affecting this chart.

ELEVATION DATA

HIGHEST ELEVATION

ON THIS CHART IS

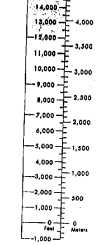
15817

located at

SAPINJ, SOVET

ELEVATIONS SHOWN

ON THIS CHART ARE IN FEET



ALTITUDE IN FEET

AND CONVERSION SCALE

CAUTION

AREAS OF UNRELIABLE

RELIEF ARE BEYOND OF THIS

MAXIMUM ELEVATION DATA

Maximum elevation values

are shown in black figures

and the highest elevation

is shown in red figures.

6000 feet (indicated) is

indicated by a dashed line.

All values have been rounded to the

nearest hundred in the interest of flight

safety with the last two digits omitted. A minus

sign (" - ") following the figure indicates the

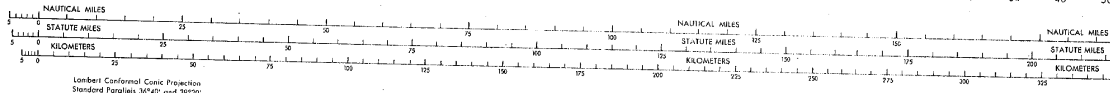
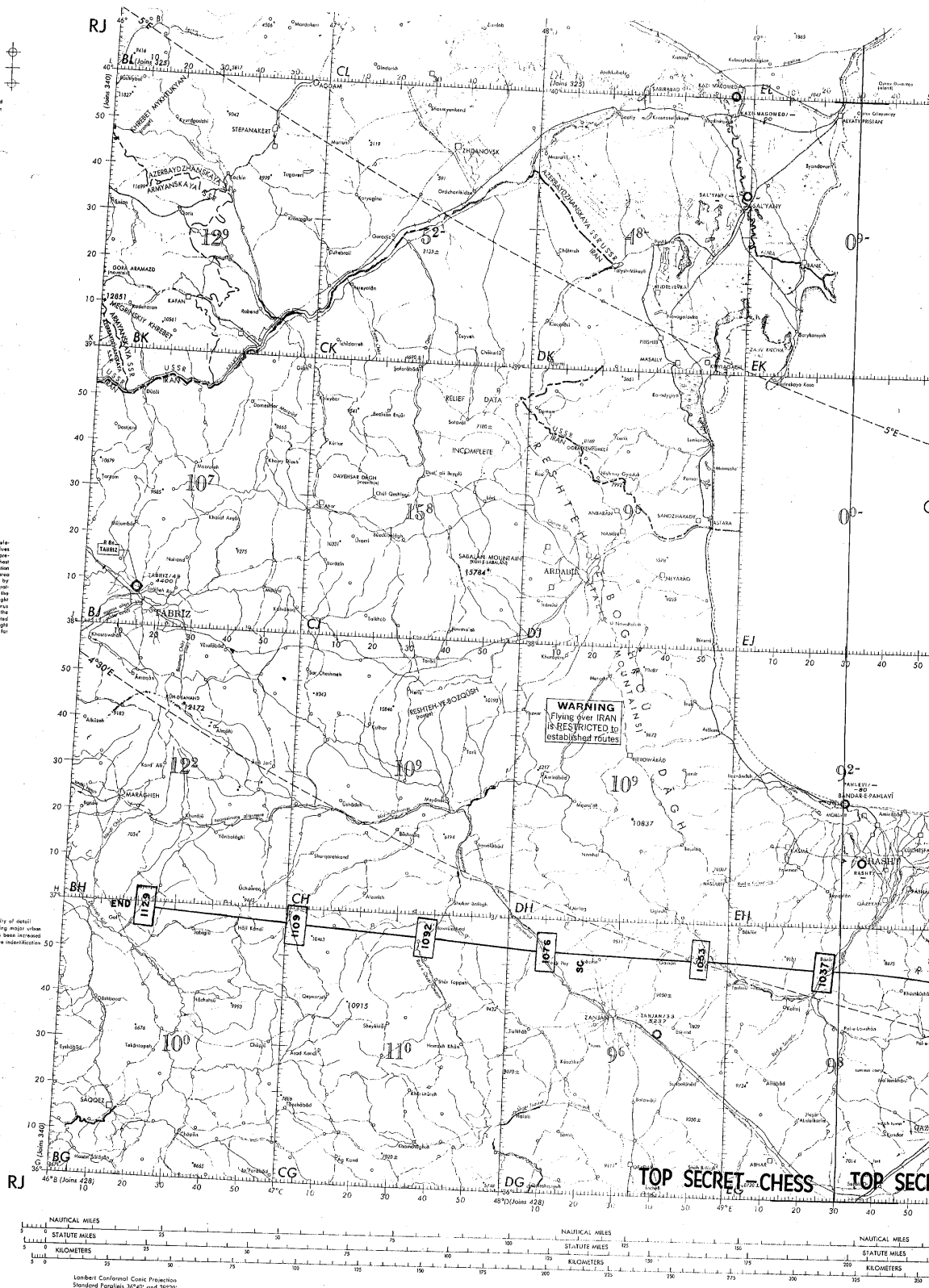
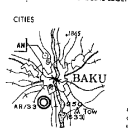
highest ground elevation has been estimated

but is considered to be lower than the height

expressed by the value. Values given are for

aid in determining safe terrain clearance.

SPECIAL LEGEND



NOTE: It is requested that all users of this chart mark bearing
corrections and additional notes to their attention and mail
direct to COMMANDER, AERONAUTICAL CHART AND INFOR-
MATION CENTER, SECOND AND AERIAL, ST. LOUIS 18, MO.
(See other side for further details)

WAC 339

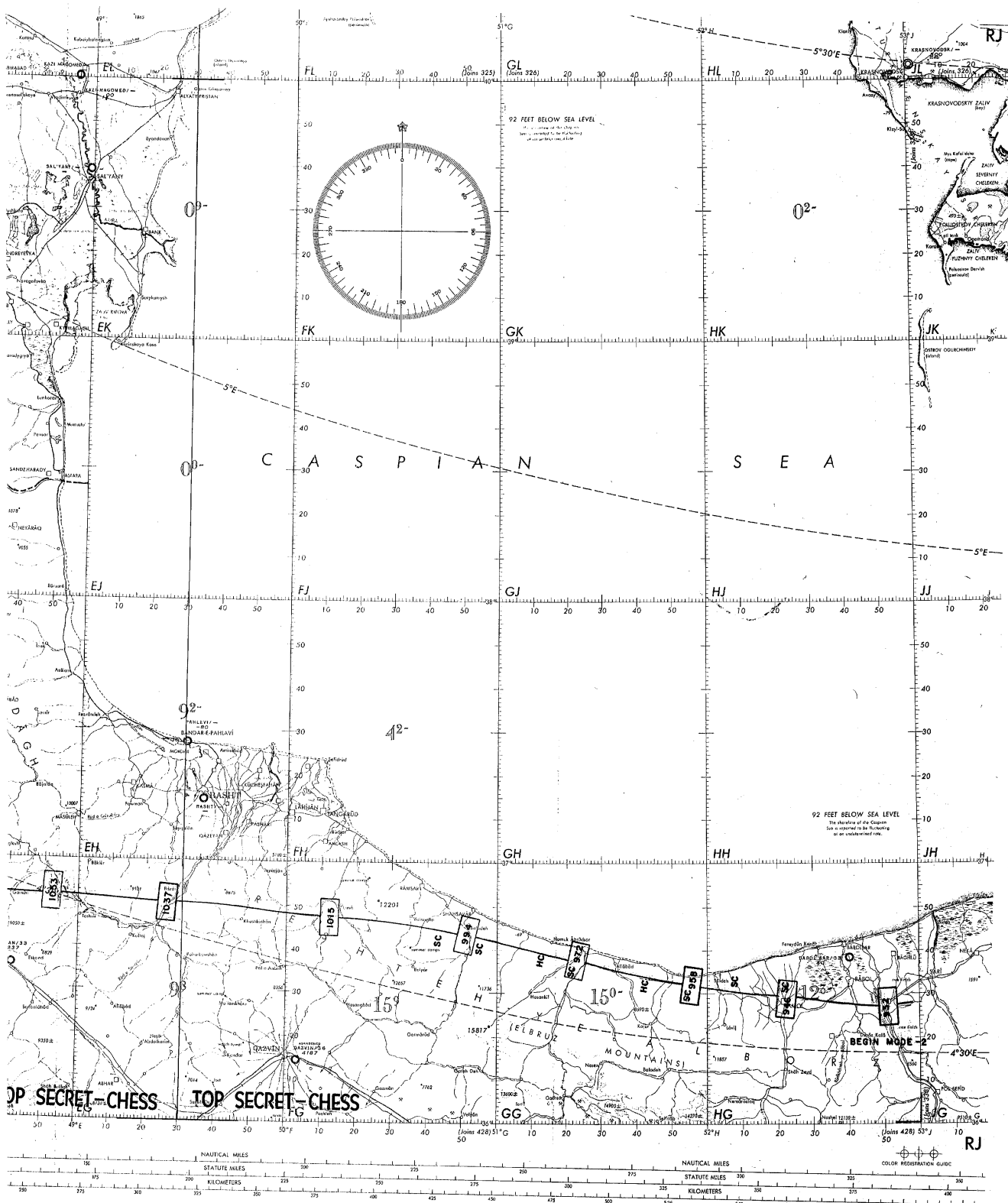
1. REPRODUCTION OF THIS CHART FOR USE BY THE U.S. AIR FORCE IS PROHIBITED.
2. REPRODUCTION OF THIS CHART FOR USE BY THE U.S. AIR FORCE IS PROHIBITED.
3. REPRODUCTION OF THIS CHART FOR USE BY THE U.S. AIR FORCE IS PROHIBITED.
4. REPRODUCTION OF THIS CHART FOR USE BY THE U.S. AIR FORCE IS PROHIBITED.



WORLD AERONAUTICAL CHART

PUBLISHED BY THE AERONAUTICAL CHART AND INFORMATION CENTER,
AIR PHOTOGRAPHIC AND CHARTING SERVICE, (MATS)
UNITED STATES AIR FORCE, ST. LOUIS 18, MO.





ORLD AERONAUTICAL CHART

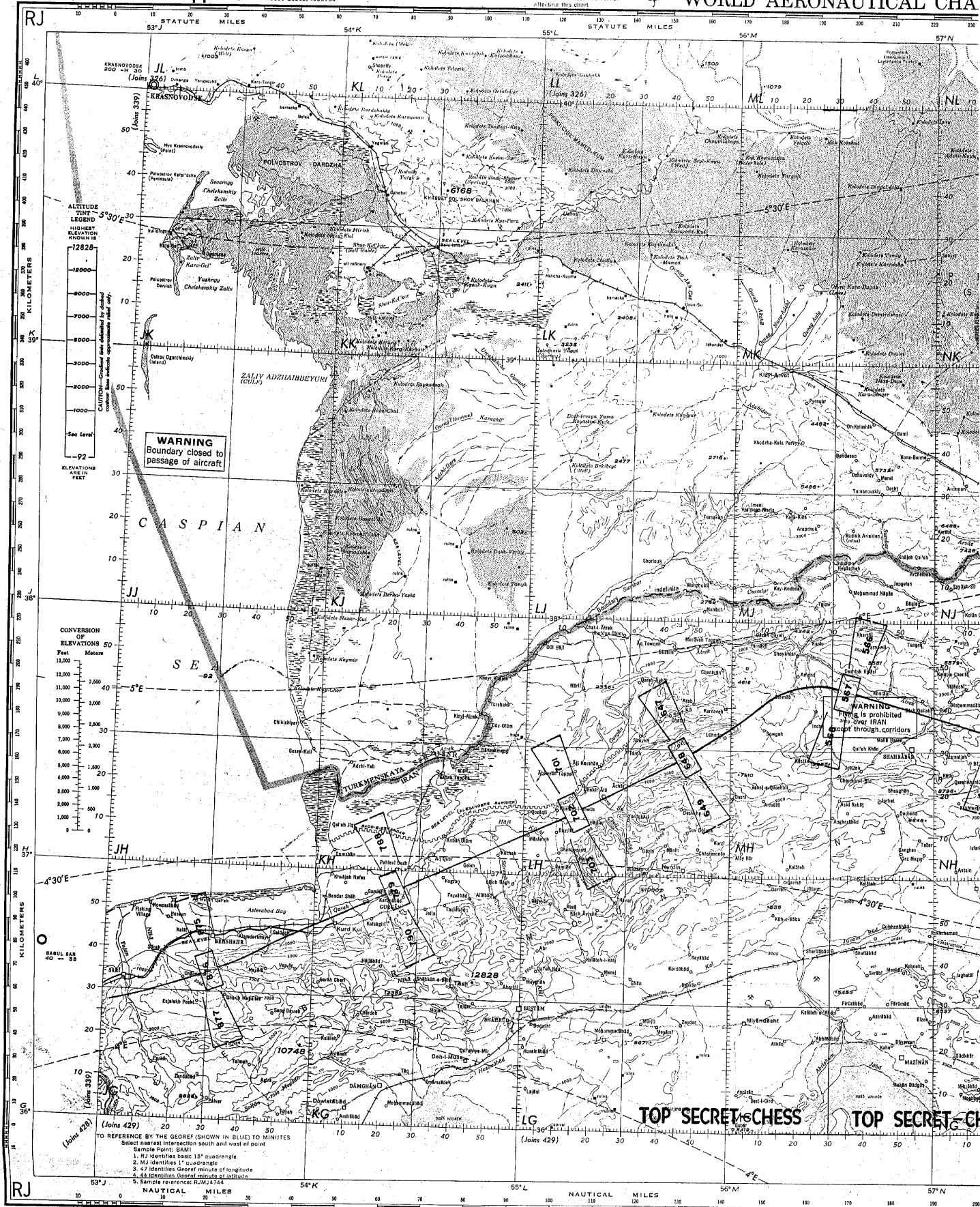
PUBLISHED BY THE AERONAUTICAL CHART AND INFORMATION CENTER,
AIR PHOTOGRAPHIC AND CHARTING SERVICE, (HATS)
UNITED STATES AIR FORCE, ST. LOUIS 18, MO.



SABALAN MOUNTAIN

WAC 339

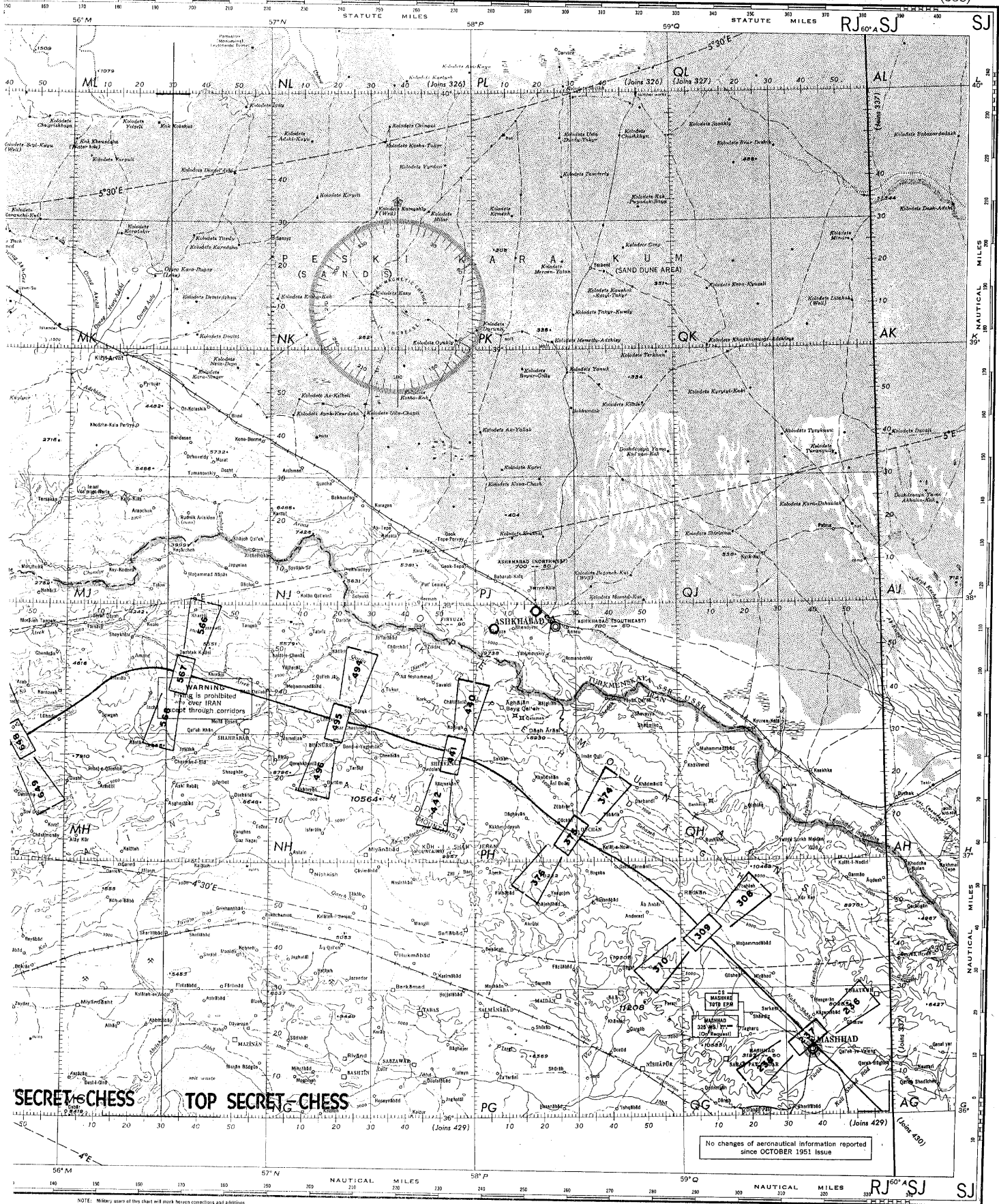
This edition supersedes all previous
editions of 339

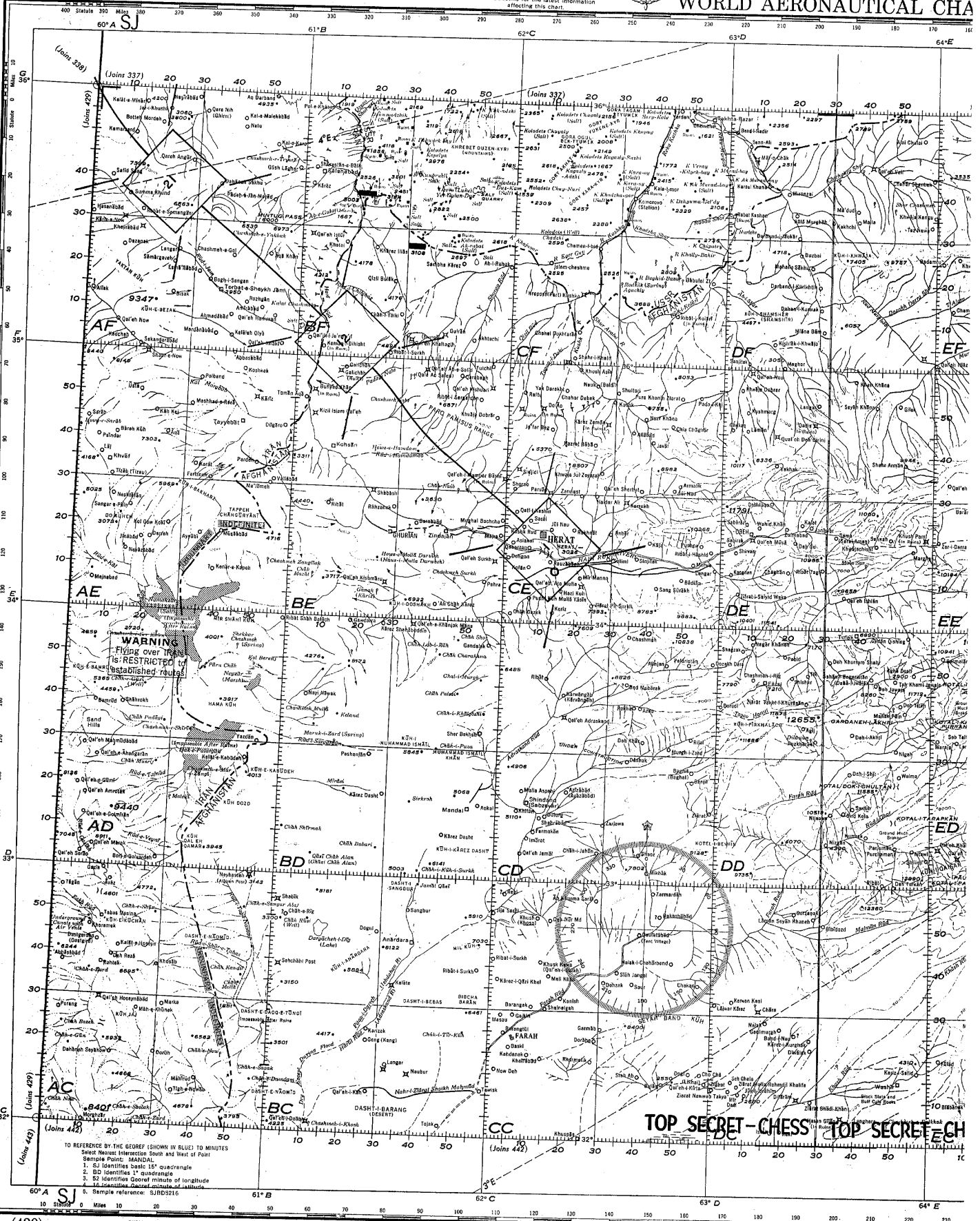


WORLD AERONAUTICAL CHART

Lambert Conformal Conic Projection
Standard Parallels 36°40' and 39°20'

(338)

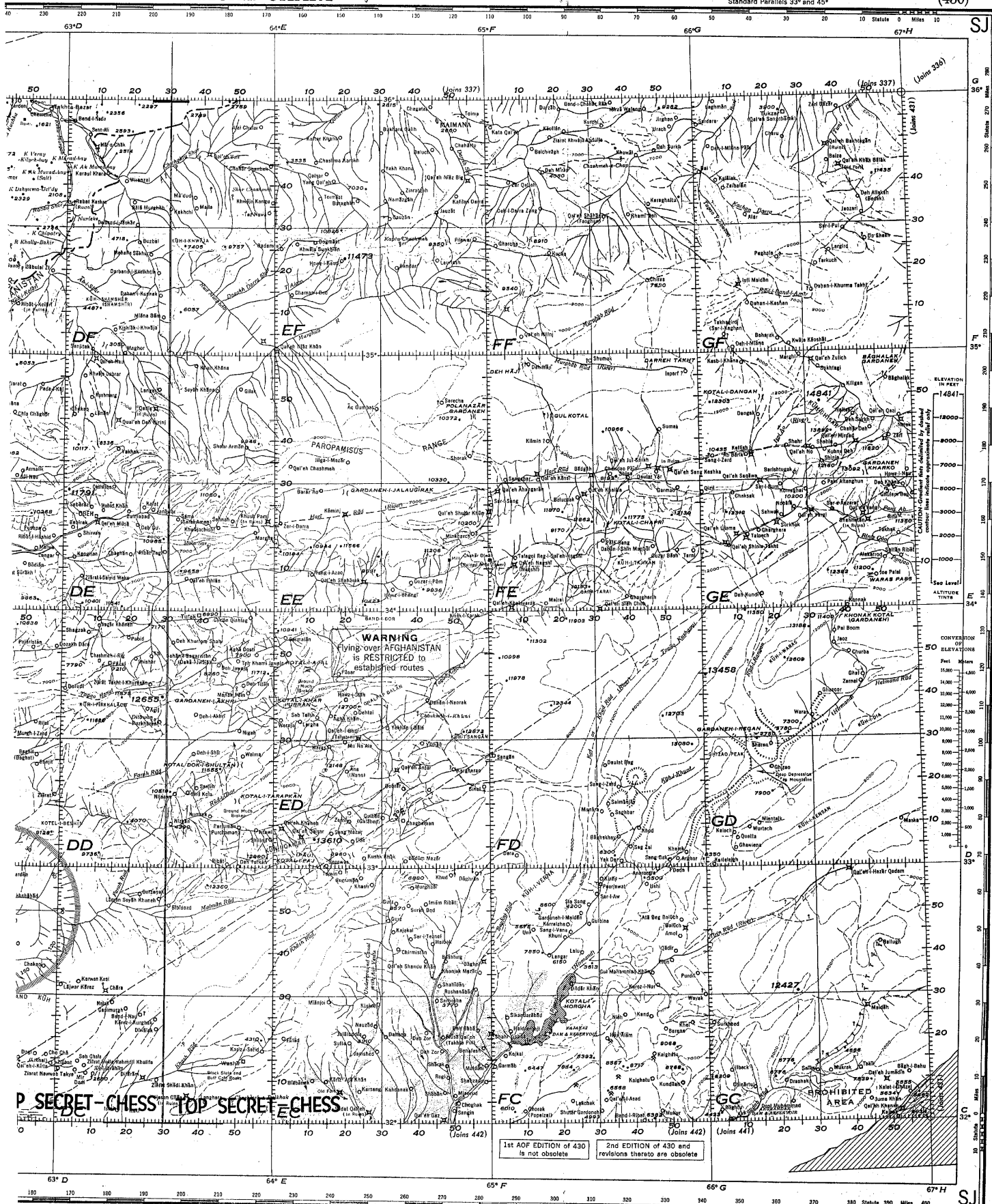


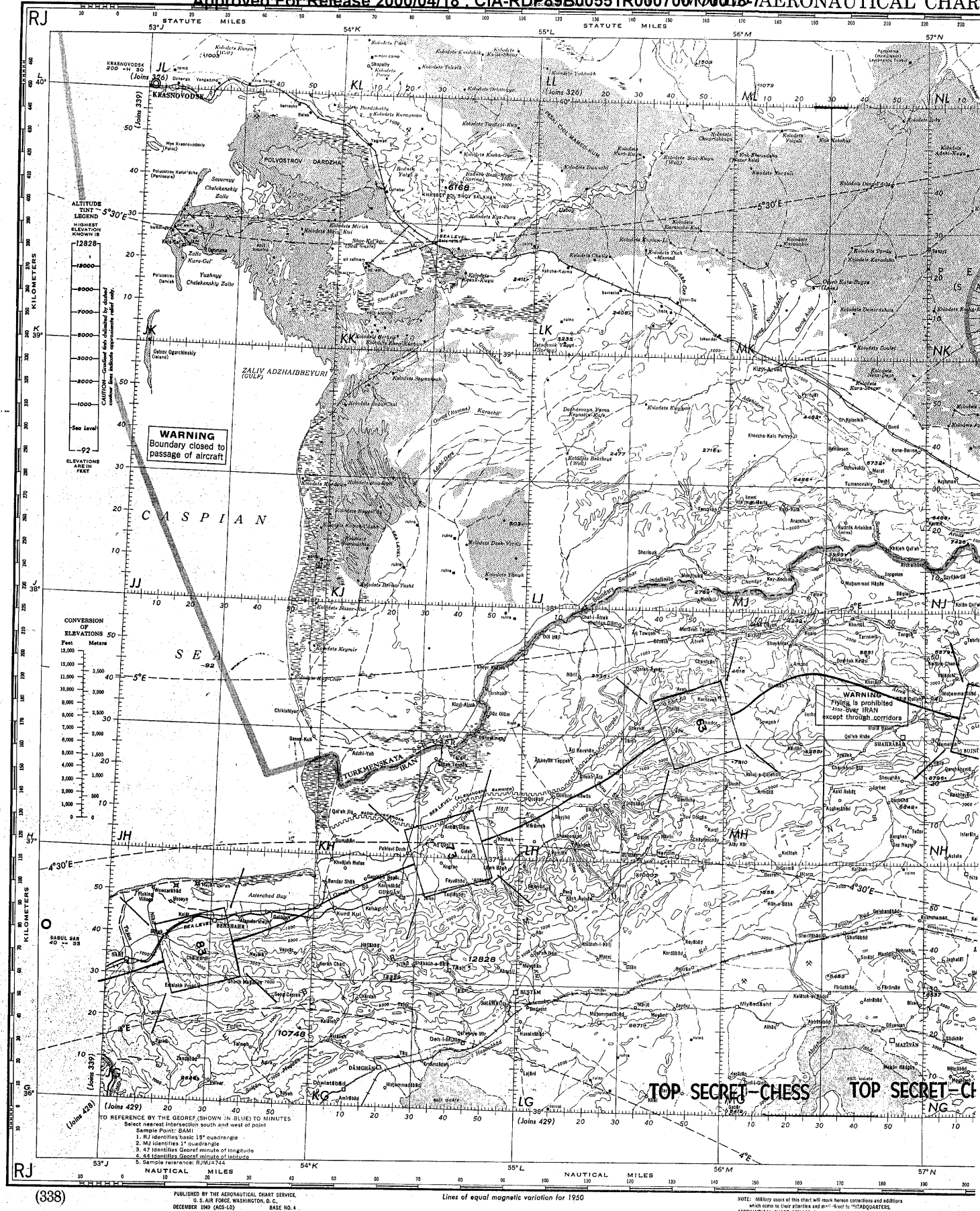


WORLD AERONAUTICAL CHART

Lambert Conformal Conic Projection
Standard Parallels 33° and 45°

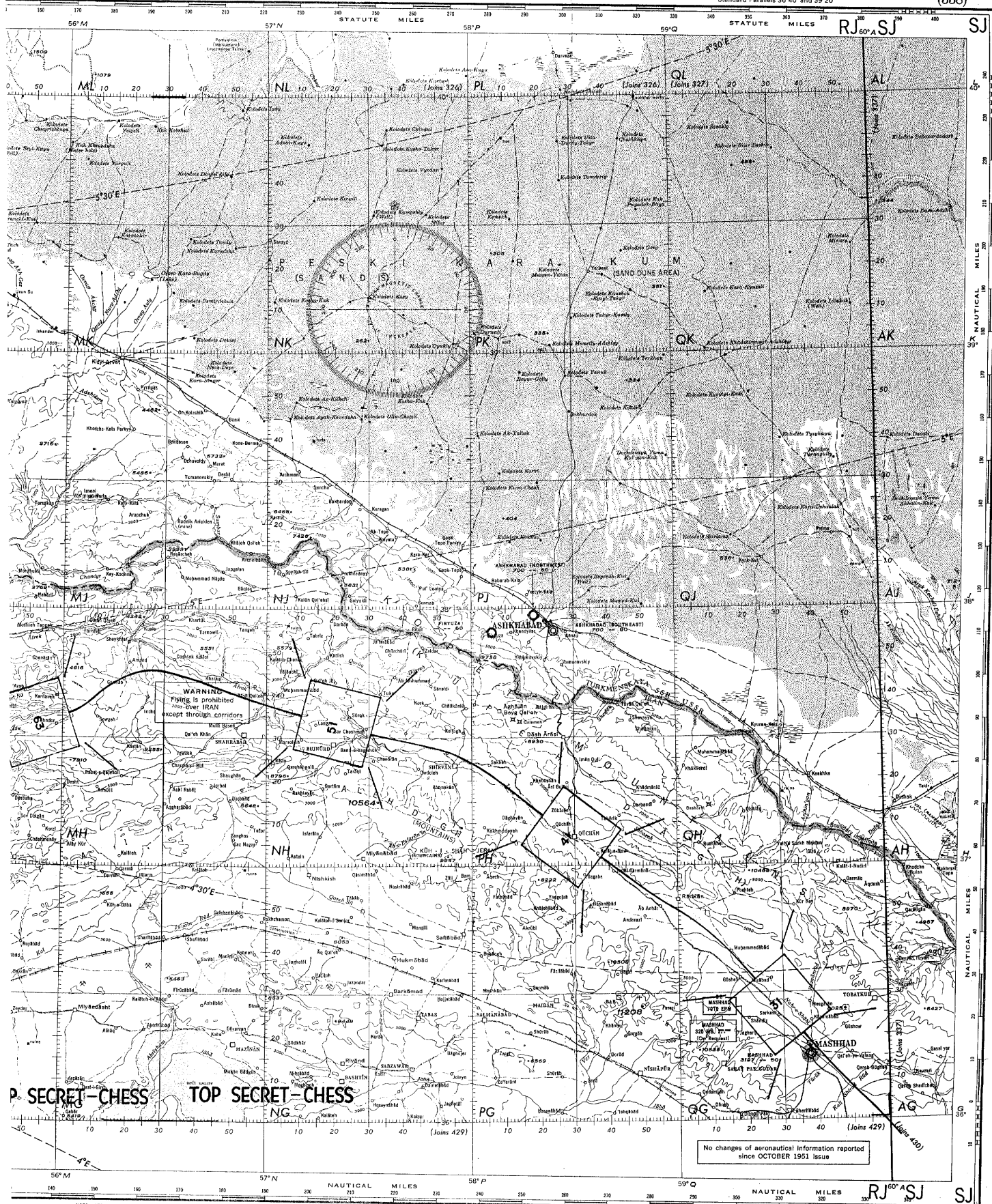
(430)





Lambert Conformal Conic Projection
Standard Parallels 36°40' and 39°20'

(338)



NOTE: Military users of this chart will mark barcon corrections and add which come to their attention and mail direct to "HEADQUARTERS, AERONAUTICAL CHART SERVICE, U. S. ARMY, WASHINGTON, D. C."

Approved For Release 2000/04/18 : CIA-RDP89B00551R000700170018-7

760187 KOPET MOUNTAINS (338)

IRAN-U.S.S.R.

AIR INFO CURRENT JULY 1952

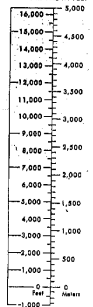
WAC 339

6th EDITION

Consult Notations, Radio Facility Charts and
ACIC Bulletin for the latest information
affecting this chart.

ELEVATION DATA
HIGHEST ELEVATION
ON THIS CHART IS
15817
located at
34°29'N 50°50'E

ELEVATIONS SHOWN
ON THIS CHART ARE IN FEET



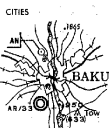
ALTITUDE TENTS
AND CONVERSION SCALE

CAUTION
AREAS OF UNRELIABLE
RELIEF ARE DEVOID OF TINT

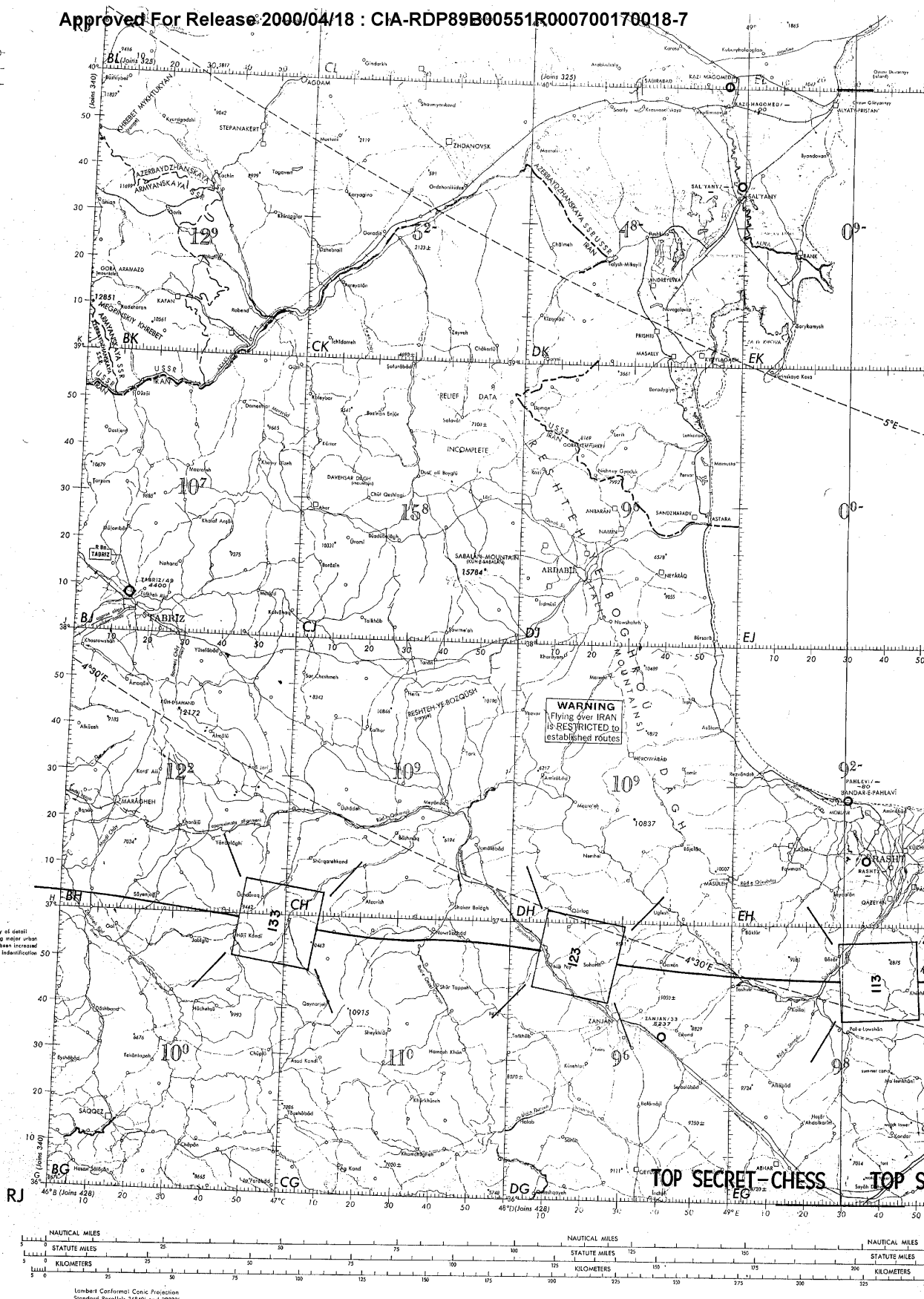
MAXIMUM ELEVATION DATA
3100 feet
6000 feet (estimated)

Maximum elevation values are shown in black numerals. The highest elevation shown on this chart is 15817 feet. The highest elevation shown on this chart is 15817 feet. The highest elevation shown on this chart is 15817 feet.

SPECIAL LEGEND



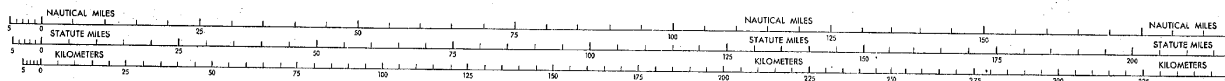
Density of detail
surrounding major urban
areas has been increased
to improve identification



WARNING
Flying over IRAN
IS RESTRICTED TO
established routes

TOP SECRET CHESSE

TOP S



Lambert Conformal Conic Projection
Standard Parallels 36°40' and 39°20'

NOTE: It is reported that all users of this chart must have
corrected and updated which comes to their attention and must
direct to COMMANDER, AERONAUTICAL CHART AND INFORMATION
CENTER, SECOND AND AERIAL, ST. LOUIS 18, MO.
(See other side for further details)

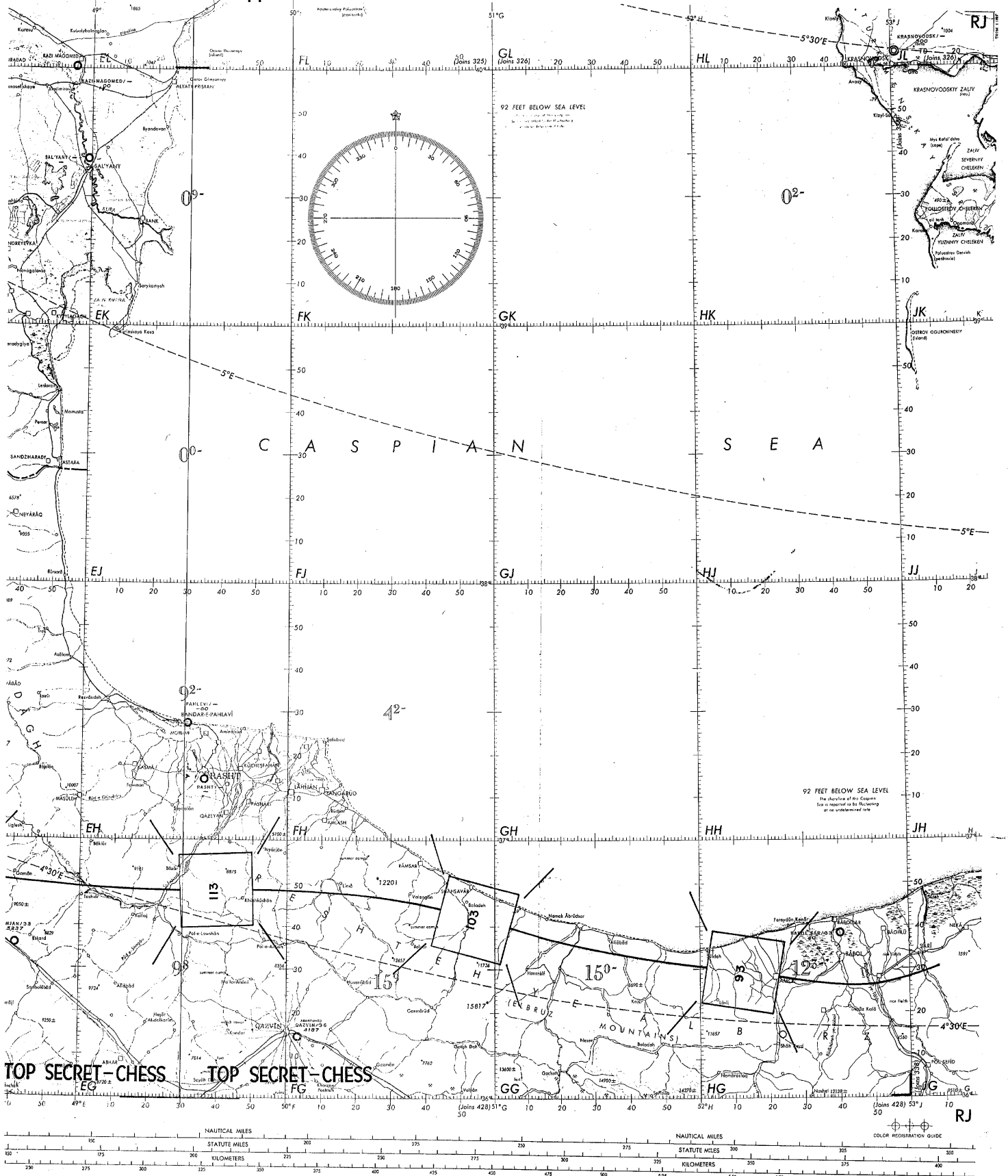
WAC 339



WORLD AERONAUTICAL CHART

PUBLISHED BY THE AERONAUTICAL CHART AND INFORMATION CENTER,
AIR PHOTOGRAPHIC AND CHARTING SERVICE, (MATS)
UNITED STATES AIR FORCE, ST. LOUIS 18, MO.





WORLD AERONAUTICAL CHART

PUBLISHED BY THE AERONAUTICAL CHART AND INFORMATION CENTER,
AIR PHOTOGRAPHIC AND CHARTING SERVICE, (HATS)
UNITED STATES AIR FORCE, ST. LOUIS 18, MO.



SABALAN MOUNTAIN

IRAN - U.S.S.R.
WAC 339

This edition obsoletes all previous
editions of 339

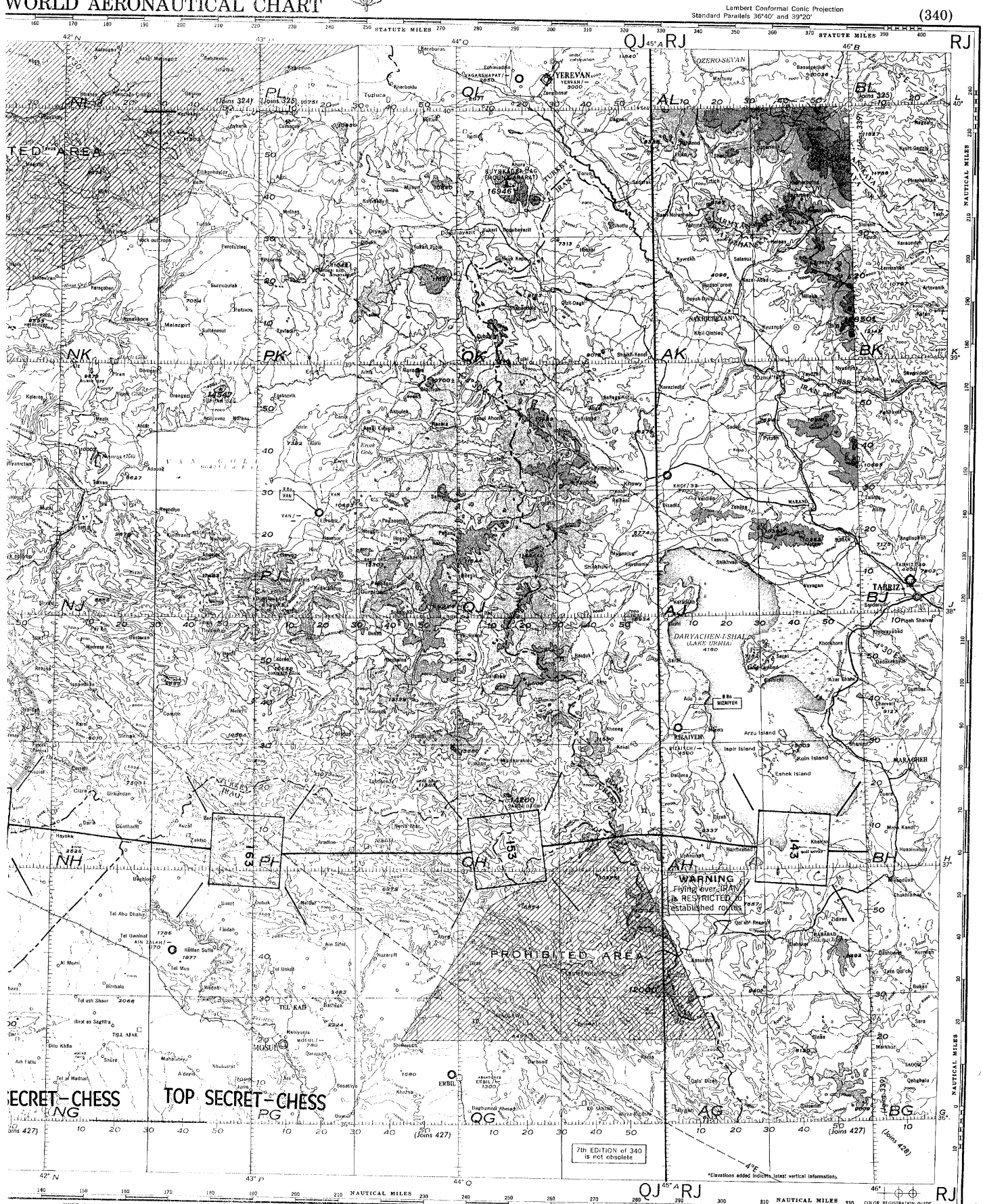
Consult Notams, Radio Facility Charts and
AICG Bulletins for the latest information
affecting this chart.

6th EDITION
Copyrighted by AIC 3-58

LINE OF EQUAL MAGNETIC VARIATION FOR 1955
(Annual Rate of Change 1° Increase)



WORLD AERONAUTICAL CHART



341

8th EDITION

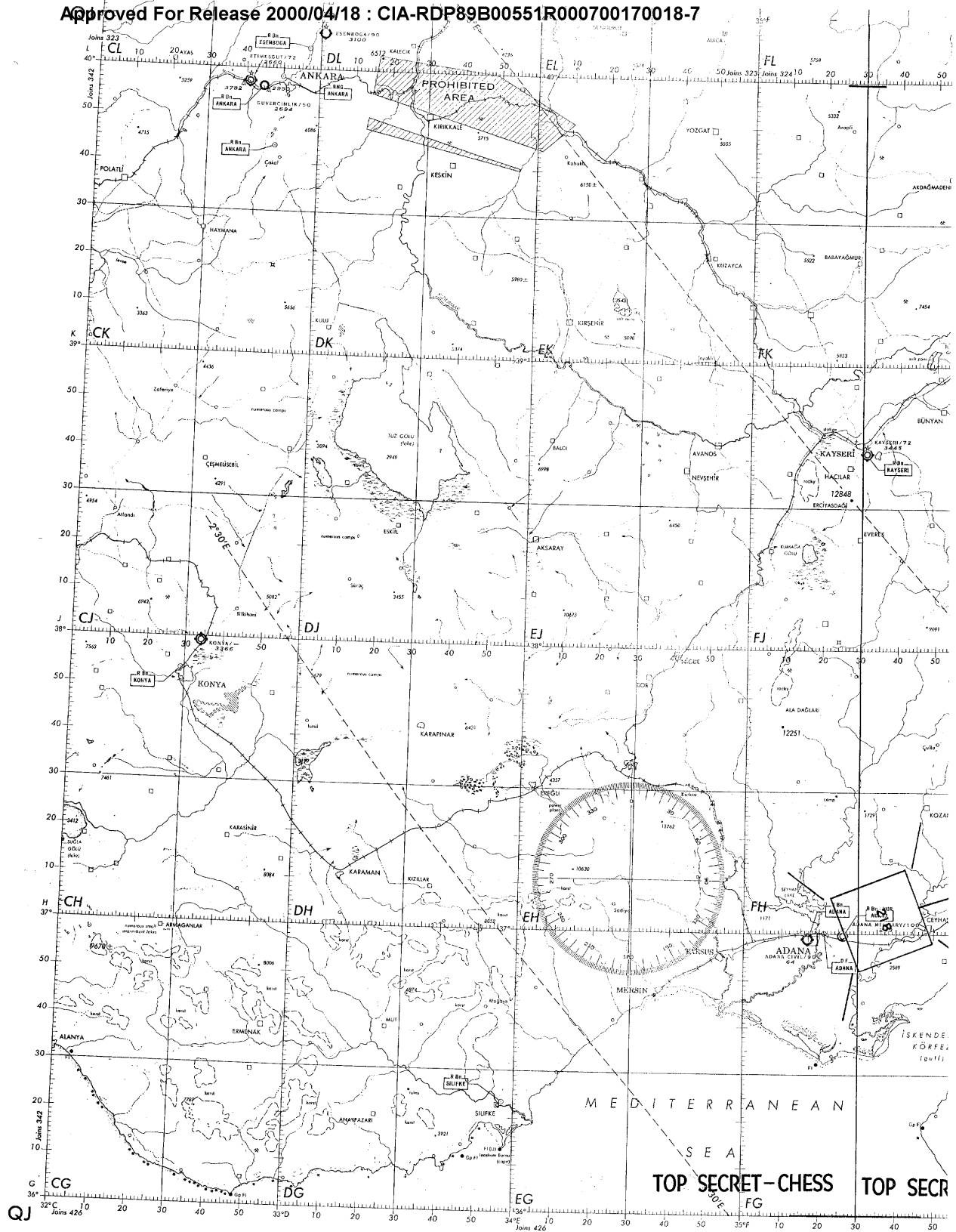
Control Notations, Radio Facility Charts and AIC Bulletin for the latest information affecting this chart.

ELEVATION DATA
HIGHEST ELEVATION
ON THIS CHART IS
12,848
located at
36°32'N 35°27'E

ELEVATIONS SHOWN
ON THIS CHART ARE IN FEET

16,000	5,000
15,000	4,500
14,000	4,000
13,000	3,500
12,000	3,000
11,000	2,500
10,000	2,000
9,000	1,500
8,000	1,000
7,000	500
6,000	0
5,000	-500
4,000	-1,000
3,000	-1,500
2,000	-2,000
1,000	-2,500
0	-3,000
-1,000	-3,500
-2,000	-4,000
-3,000	-4,500
-4,000	-5,000

ALTITUDE TINTS
AND CONVERSION SCALE



BASE 400
BASE INFORMATION
APRIL 1953 (AIC)

AIR INFORMATION CURRENT JULY 1957
UNITS OF EQUAL MAGNETIC VARIATION FOR 1955
(annual rate of change 2' increased)

NOTE: It is requested that all users of this chart mark herein
corrections and additions which come to their attention and
will direct to COMMANDER, AERONAUTICAL CHART AND
INFORMATION CENTER, SECOND AND AERIAL, ST. LOUIS
18, MISSOURI. See other side for further detail.

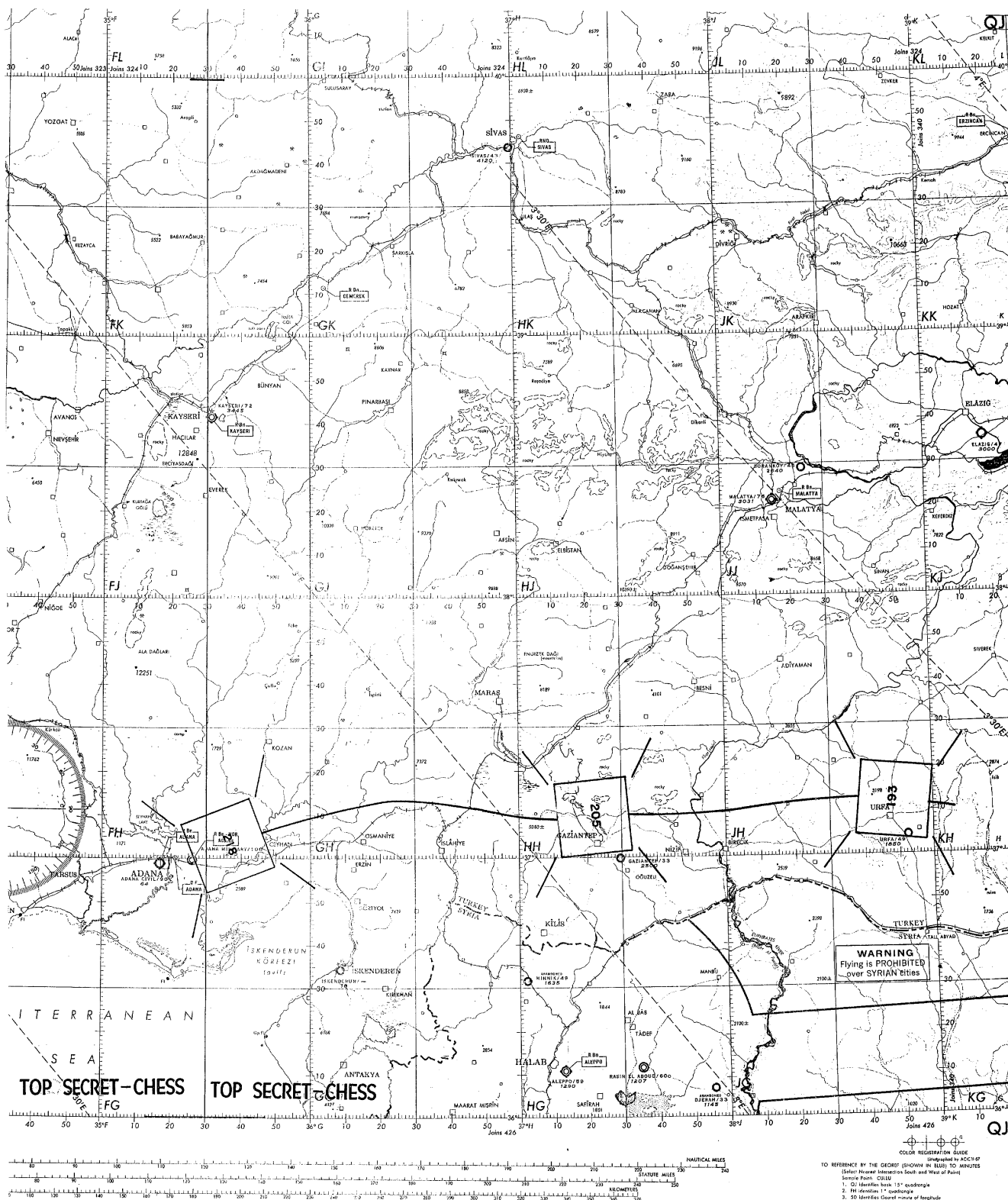


PUBLISHED BY THE AERONAUTICAL CHART AND INFORMATION CENTER,
AIR PHOTOGRAPHIC AND CHARTING SERVICE, (MAF5)
UNITED STATES AIR FORCE, ST. LOUIS 18, MO.

341

Lambert Conformal Conic Projection
Standard Parallels 36°40' and 39°20'

WORLD AERONAUTICAL C



TOP SECRET

T
A
L
E
N
T

TOP SECRET