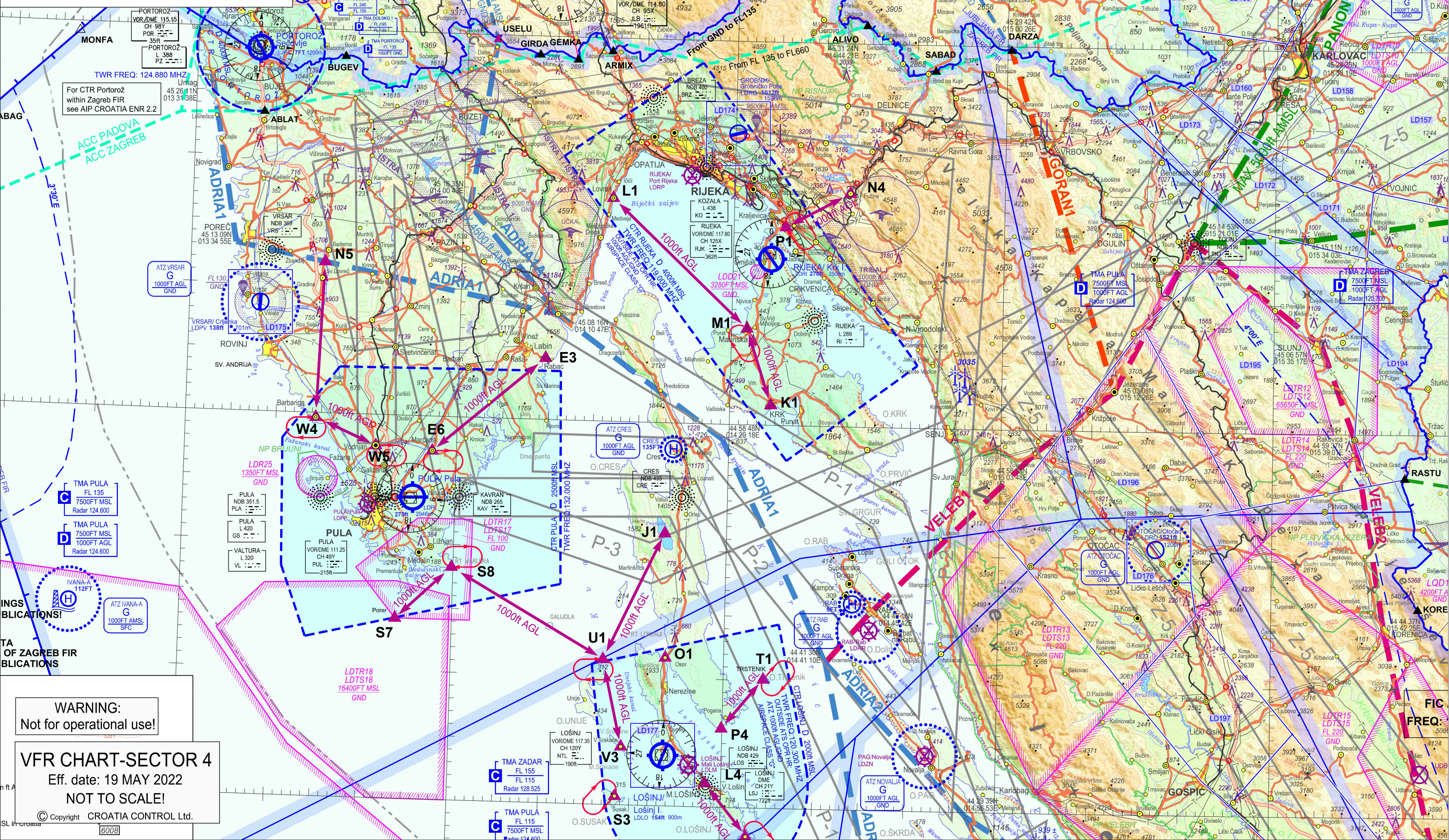


transmission lines data not complete!
see for the completeness and accuracy of obstacles!
altitudes and contour lines are in feet!

elevation in ft AMSL in Croatia 44 03 45N 016 22 57E [6008]
elevation in ft AMSL on the chart 046 23N 013 50E [9397]



PORTOROZ
VOR/DME 115.15
CH 98Y
POR 35ft
PORTOROZ
L 388
PZ
TWR FREQ: 124.880 MHz
For CTR Portorož
within Zagreb FIR
see AIP CROATIA ENR 2.2

ATZ VRSAR
G
1000FT AGL
GND
VRSAR/Črniška
LDPV 138ft
FL 130
GND

TMA PULA
FL 135
7500FT MSL
Radar 124.600
TMA PULA
7500FT MSL
1000FT AGL
Radar 124.600
IVANA-A
112FT
ATZ IVANA-A
G
1000FT AMSL
SFC

WARNING:
Not for operational use!
VFR CHART-SECTOR 4
Eff. date: 19 MAY 2022
NOT TO SCALE!

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[6008]



CROATIA
CONTROL

SECTOR 4 OF VFR CHART WITH RECOMMENDED VFR ROUTES

CROATIA

Effective date: 19 MAY 2022
For latest aeronautical information consult
AIP, AIP-Supplements and NOTAMS

NOT TO SCALE!

ATTENTION:

Data on prominent transmission lines not complete!
No guarantee for the completeness and accuracy of obstacles!
Spot elevations and contour lines are in feet!

WARNING: Charts are for information only. Not for operational use!

NOTE:
FOR AERODROME OPENINGS
CONSULT RELEVANT PUBLICATIONS

NOTE:
FOR AERONAUTICAL DATA
OUTSIDE THE AIRSPACE OF ZAGREB FIR
CONSULT RELEVANT PUBLICATIONS

LEGEND

Topography

Contour

Approximate contour

Bluff, cliff or escarpment

Mountain pass with elevation in ft AMSL

Spot elevation in ft AMSL

Highest spot elevation in ft AMSL in Croatia

National park; natural park

Hydrography

Shore line

Salt pans

Large river

River

Small river, brooks

Lake

Swamp

Aqueduct

Culture

Built-up areas

City, town, village

Dual highway with connectores

Dual highway tunnel

Highway

Highway under construction

Primary road

Secondary road

Road under construction

Road bridge

Road tunnel

Railroad (single track)

Railroad (two or more tracks)

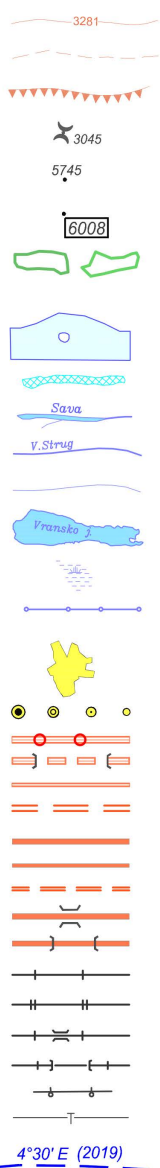
Railroad bridge

Railroad tunnel

Cable way

Transmission line

Izogonic line



Aerodromes

Airport; name, location indicator,
AD elevation in ft AMSL, RWY length in metres

Joint civil and military airport; name, location indicator,
AD elevation in ft AMSL, RWY length in metres

Airfield; name, location indicator,
AD elevation in ft AMSL, RWY length in metres

Closed water aerodrome

Abandoned or closed aerodrome

Heliport; elevation in ft AMSL

Oil or gas rig with helideck; elevation in ft AMSL

Hard surface runway

Unpaved runway

Radio Navigation Aids

VOR Compass rose oriented on the
chart to Magnetic North
(VAR 2019)

VOR/DME Collocated VOR and DME radio navigation
aids; DME

NDB Non-directional radio beacon

Air Traffic Services

Flight Information Region (FIR)

Line of Responsibility (LoR)

from FL135 to FL660

from GND to FL135

from GND to FL125

Boundaries (international)

Control zone (CTR)

Designation of CTR
Airspace classification
Vertical limit
TWR Frequency

Aerodrome traffic zone (ATZ)

Designation
Airspace classification
Vertical limit

Terminal control area (TMA), airspace class. C,D

Terminal control area (TMA), airspace class. E

Designation
Airspace classification
Vertical limit
Frequency

Prohibited, Restricted and Danger area

Active only as notified
by NOTAM
except
Permanently active:
LDR49;LDD21

Identification of area
Nationality letter
P=Prohibited
R=Restricted
D=Danger

Upper limit

Lower limit

Danger area over heigh seas

Temporary reserved and segregated area

From GND to 1000FT
active only as notified
by NOTAM.

Identification of area
Nationality letter
TR=Temporary reserved
TS=Temporary segregated

Upper limit

Lower limit

FLEXIBLE STRUCTURES

LD111 Flexible structures LD111
can be activated as D-AMA, TRA, TSA,
can be publish as: LDD111-AMA, LDTR111-AMA, LDTS111-AMA

See AIP, ENR 1.9.2.

For all Danger areas, TRAs and TSAs see AIP: ENR 5.1; 5.2

Low level military flight corridors
and training areas

Reporting point

Holding fix with WGS-84 coordinates

Entry/exit point

Breakpoint description along
Recommended VFR route

SPLIT/Kaštela
LDRP 78FT 2500m

ZAGREB/ Pleso
LOZA 353FT 3252m

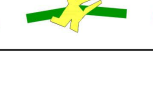
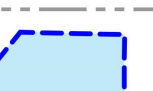
SINJ/Sinj
LDSS 979FT 1026m

SPLIT/Renik
LDRR

UDBINA

FIRULE
108FT

IVANA-A
112FT



Recommended VFR route

VFR recommended route in Bosnia and Herzegovina

VFR transit route in Slovenia

Mandatory (arrival - departure) VFR route

Paragliding and hang gliding activity zone

Parachute activity zone; Vertical limits

Glider activity zone:
Glider, paragliding and hang gliding activity zone

Obstacles

Obstacles or group of obstacles
with a height of the order of 100 m AGL- lighted
Elevation on top in ft AMSL

Obstacles or group of obstacles
Obstacle 45 m AGL and higher - lighted

Obstacles or group of obstacles - unlighted

Obstacles or group of obstacles
Elevation on top in ft AMSL (of doubtful accuracy)

Obstacle with no elevation data

Group of wind turbines, lighted

PANON2
ADRIA1
VELEB1
GORAN1

VFR recommended route in Bosnia and Herzegovina

VFR transit route in Slovenia

Mandatory (arrival - departure) VFR route

Paragliding and hang gliding activity zone

Parachute activity zone; Vertical limits

Glider activity zone:
Glider, paragliding and hang gliding activity zone

Obstacles

Obstacles or group of obstacles
with a height of the order of 100 m AGL- lighted
Elevation on top in ft AMSL

Obstacles or group of obstacles
Obstacle 45 m AGL and higher - lighted

Obstacles or group of obstacles - unlighted

Obstacles or group of obstacles
Elevation on top in ft AMSL (of doubtful accuracy)

Obstacle with no elevation data

Group of wind turbines, lighted

VOR/DME

BARNA	VBA	117.400MHz	45 44 52.08N	017 08 48.29E
DUBROVNIK	DBK	115.400MHz	42 33 13.84N	018 16 38.79E
LOŠINJ	NTL	117.350MHz	44 33 59.44N	014 23 27.79E
PULA	PUL	111.250MHz	44 53 32.52N	013 55 05.23E
RIJEKA	RJK	117.800MHz	45 13 26.85N	014 34 01.06E
SPLIT	SPL	115.700MHz	43 29 47.69N	016 18 17.00E
ZADAR	ZDA	108.600MHz	44 05 43.16N	015 21 51.22E
ZAGREB	ZAG	113.700MHz	45 53 44.01N	016 18 24.11E

NDB

BREZA	BRZ	400KHz	45 25 25.14N	014 20 43.44E
CRES	CRE	433KHz	44 54 10.37N	014 24 59.57E
DRVENIK	DVN	418KHz	43 26 48.24N	016 08 37.08E
HUMAC	HUM	412KHz	43 17 13.88N	016 40 42.42E
KAKMA	ZRA	330KHz	43 59 49.76N	015 29 47.31E
KAVRAN	KAV	265KHz	44 53 43.27N	014 00 29.66E
KOLOČEP	KLP	318KHz	42 40 09.42N	018 01 15.07E
LOŠINJ	LOS	429KHz	44 31 37.55N	014 28 22.25E
OSIJEK	OSJ	422KHz	45 27 19.51N	018 50 15.39E
PISAROVINA	PIS	424KHz	45 36 18.10N	015 50 38.39E
PULA	PLA	351.5KHz	44 53 21.15N	013 45 12.66E
SALI	SAL	421KHz	43 56 16.30N	015 10 05.20E
TOUNJ	TNJ	316KHz	45 14 53.22N	015 21 01.25E
TROGIR	TRI	378KHz	43 29 48.59N	016 13 20.78E
VRSAR	VRS	369KHz	45 12 36.66N	013 38 56.31E

DME

BRAČ	BRC		43 16 56.93N	016 37 20.83E
DUBROVNIK	IDU		42 34 08.19N	018 15 07.96E
JAPETIĆ	JAP		45 44 40.18N	015 36 29.45E
LOŠINJ	LSJ		44 30 57.23N	014 29 27.66E
LUKAVEC	LUK		45 41 25.96N	015 59 32.90E
OSIJEK	KLS		45 27 58.26N	018 47 32.16E
OSIJEK	ISJ		45 27 51.96N	018 47 59.67E
SPLIT	IST		43 31 57.61N	016 17 20.86E
ZAGREB	IZA	109.5MHz	45 44 05.78N	016 03 12.42E

L

BOKANJAC	BO	385KHz	44 10 09.29N	015 15 50.41E
CAVTAT	CV	397KHz	42 35 06.68N	018 12 45.51E
ČEPIN	CE	372KHz	45 31 42.33N	018 33 36.18E
GRUDA	GR	414KHz	42 32 26.26N	018 19 14.97E
KOZALA	KO	438KHz	45 20 04.69N	014 26 48.35E
PULA	GS	420KHz	44 53 32.88N	013 51 11.10E
RIJEKA	RI	289KHz	45 08 15.04N	014 39 10.56E
S.KRALJEVEC	SK	350KHz	45 48 20.96N	016 09 52.78E
VALTURA	VL	320KHz	44 53 34.30N	013 53 28.16E
VELIKA GORICA	VG	325KHz	45 43 31.30N	016 02 31.44E
ZADAR	ZK	348KHz	44 05 40.45N	015 21 54.26E

NOTE:
For entering CTR airspace
two-way radio communication required.
Contact Tower normally at reporting
points or any other point but not
later than 5 min prior to entering CTR.

① Temporary border of the territorial sea
according to the 2002 Protocol.

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SIGNIFICANT VFR POINTS (Reporting and Entry/Exit point)

A1 45 32 43N 018 17 09E	M1 45 07 31N 014 31 42E
A2 42 38 42N 017 56 51E	MAZEV 42 29 12N 018 18 07E
A3 43 40 49N 015 55 02E	N1 46 02 57N 016 05 04E
B1 45 39 31N 018 24 56E	N2 45 51 22N 015 48 22E
B2 42 30 25N 018 13 39E	N3 45 45 21N 016 00 45E
B3 43 44 32N 016 10 57E	N4 45 18 16N 014 42 50E
C1 45 34 42N 018 35 07E	N5 45 11 49N 013 44 52E
C2 42 23 48N 018 00 53E	N6 44 16 55N 015 20 51E
C3 43 23 25N 016 17 27E	O1 44 41 37N 014 23 36E
D1 45 31 28N 018 50 31E	O2 44 12 04N 015 40 57E
D2 42 18 18N 018 14 31E	O3 43 26 31N 016 41 49E
D3 43 11 04N 016 36 04E	P1 45 15 31N 014 35 45E
E1 45 12 37N 018 24 20E	P2 43 48 57N 015 40 05E
E2 45 42 23N 016 23 37E	P3 45 48 51N 015 49 58E
E3 45 04 49N 014 09 33E	P4 44 36 10N 014 29 55E
E4 44 05 11N 015 31 57E	R1 44 09 18N 015 02 04E
E5 42 27 09N 018 26 11E	RORKA 43 29 18N 016 23 31E
E6 44 57 18N 013 57 21E	S1 45 29 07N 015 59 31E
F1 45 17 28N 018 48 04E	S2 45 42 30N 016 06 34E
F2 42 32 58N 017 56 22E	S3 44 30 40N 014 18 26E
G1 45 25 22N 018 46 30E	S4 43 57 41N 015 23 54E
G2 43 23 46N 016 03 12E	S5 43 35 18N 015 55 28E
H1 45 07 36N 019 04 39E	S7 44 44 07N 013 53 47E
H2 44 27 44N 014 32 50E	S8 44 48 14N 013 59 51E
H3 43 22 57N 016 33 05E	T1 44 40 04N 014 34 24E
H4 45 42 50N 015 49 02E	U1 44 41 22N 014 16 46E
J1 44 51 20N 014 23 13E	USELU 45 29 39N 014 03 17E
K1 45 01 34N 014 34 32E	V1 44 18 07N 015 05 03E
K2 43 49 40N 015 18 04E	V2 43 09 39N 016 21 57E
K3 43 17 12N 016 52 25E	V3 44 34 33N 014 18 58E
K4 45 54 22N 016 07 32E	W1 45 40 19N 015 39 04E
L1 45 17 29N 014 16 33E	W2 44 04 22N 015 11 47E
L2 45 45 31N 015 54 03E	W3 43 44 03N 015 47 11E
L3 43 34 41N 016 12 56E	W4 44 59 38N 013 44 23E
L4 44 31 51N 014 28 15E	W5 44 57 34N 013 51 06E
	Z1 43 55 46N 015 48 08E

REPORTING POINTS

ABLAT 45 23 26N 013 37 34E	NETKO 43 02 30N 017 39 42E
AIOVA 41 55 42N 017 14 54E	NIKOL 44 13 19N 013 41 10E
ALIVO 45 31 24N 014 44 21E	NIVES 45 13 26N 015 54 27E
ARMIX 45 28 57N 014 16 04E	NOVLO 45 13 46N 016 57 11E
BABAG 45 23 13N 013 07 37E	OBUTI 46 22 42N 016 16 27E
BAREB 45 44 46N 018 24 48E	ORVAT 43 29 48N 017 12 56E
BEDOX 46 15 58N 015 49 34E	OSDUK 45 47 15N 018 08 01E
BEVIS 41 55 58N 018 11 40E	PEROT 45 24 02N 019 00 46E
BUGEV 45 27 56N 013 46 24E	PETOV 46 18 35N 015 58 34E
CRAYE 41 30 10N 018 07 45E	PEVON 43 33 31N 017 02 24E
DARZA 45 29 42N 015 00 26E	PODET 46 10 17N 015 37 36E
DEPET 44 40 44N 015 58 10E	RASTU 44 56 32N 015 44 36E
DEVUL 45 07 49N 016 26 28E	REMPI 43 44 12N 016 49 22E
GEMKA 45 28 13N 014 12 15E	ROLBA 45 50 25N 015 39 18E
GIRDA 45 28 32N 014 08 02E	ROTAR 45 15 46N 012 59 44E
GISAM 41 55 07N 017 45 31E	RUDIK 44 59 48N 016 18 18E
GORPA 45 46 23N 015 21 12E	SABAD 45 27 57N 014 52 03E
GUBOK 45 02 41N 017 51 42E	SIRMI 44 09 00N 016 18 13E
IBENI 44 00 51N 013 55 18E	SIVLA 45 06 07N 018 22 54E
KATTI 42 30 40N 014 18 26E	SONIK 44 26 54N 016 08 36E
KENEM 43 38 00N 016 56 48E	TEBLI 45 12 05N 016 40 33E
KOPRY 46 14 25N 016 57 46E	TEPKO 41 44 27N 018 25 41E
KOREX 44 46 16N 015 46 09E	TIBRI 42 24 38N 018 33 15E
LABIN 44 59 09N 013 05 29E	TORPO 43 33 51N 014 25 29E
LAPOV 45 00 15N 019 05 44E	TUVAR 45 07 36N 019 04 39E
LOKDI 41 29 42N 018 20 22E	UMBKE 45 32 40N 013 25 11E
LULUD 45 50 33N 015 41 00E	UNIPA 44 01 46N 016 28 58E
LURID 45 08 06N 017 23 58E	VAKSU 42 00 51N 018 31 37E
MADOS 42 38 09N 018 14 57E	VAPUP 43 03 21N 015 12 20E
MAGAM 45 58 22N 015 42 11E	VEBAL 45 59 29N 017 17 48E
MOKUN 42 27 01N 018 28 48E	VELIT 4