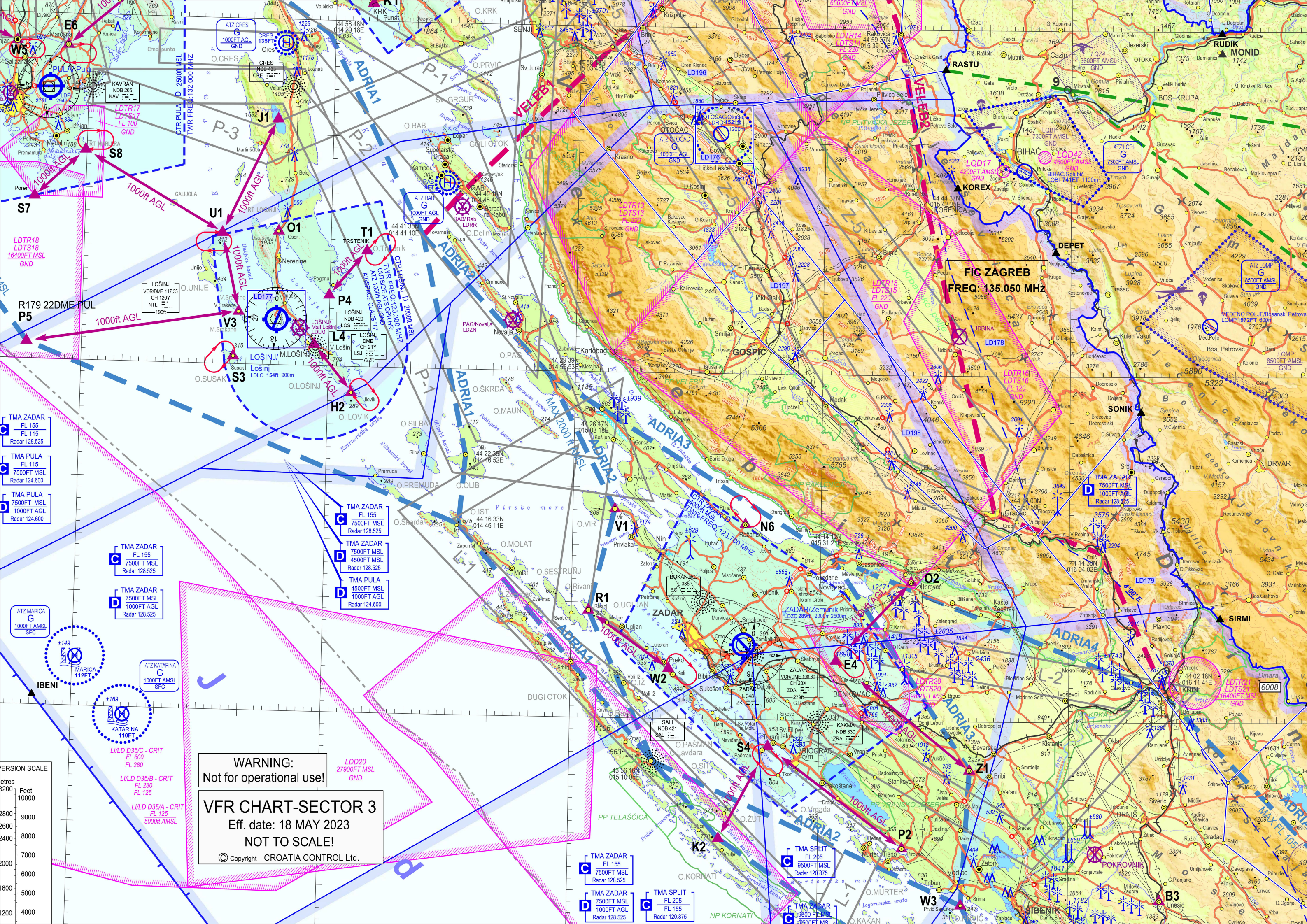
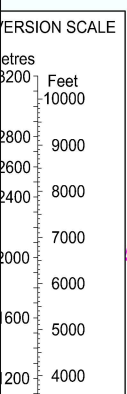




**WARNING:**  
Not for operational use!

**VFR CHART-SECTOR 3**  
Eff. date: 18 MAY 2023  
**NOT TO SCALE!**  
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**CROATIA  
CONTROL**

# SECTOR 3 OF VFR CHART WITH RECOMMENDED VFR ROUTES

CROATIA

Effective date: 18 MAY 2023  
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 connectors
- 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 FL680

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:  
LDP1; LDR49; LDD22

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

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

FLEXIBLE STRUCTURES

**LD111** Flexible structures LD111  
can be activated as D-AMA, TRA, TSA.  
can be publish as: LDD111-AMA, LDT111-AMA, LDTS111-AMA  
See AIP, ENR 1.9.2.  
For all Danger areas, TRAs and TSAs see AIP: ENR 5.1; 5.2

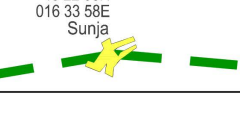
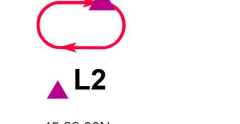
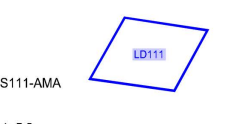
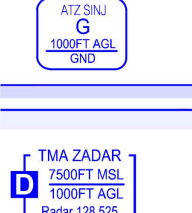
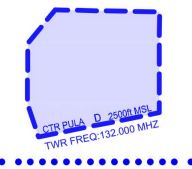
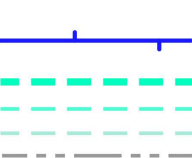
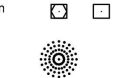
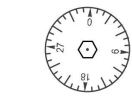
Low level military flight corridors  
and training areas

Reporting point

Holding fix with WGS-84 coordinates

Entry/exit point

Breakpoint description along  
Recommended VFR route



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  
(vertical limit GND-1000 AGL if not specified on the chart)

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

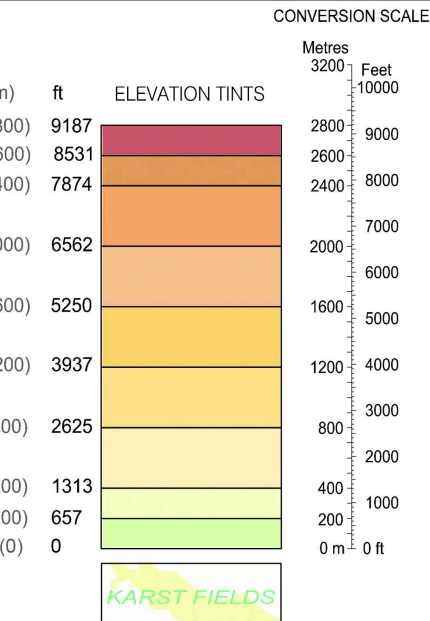
Obstacles or group of obstacles  
Elevation on top in ft AMSL (of doubtful accuracy)

Obstacle with no elevation data

Oil or gas rig

Group of wind turbines, lighted

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.



### VOR/DME

|           |     |         |            |              |               |
|-----------|-----|---------|------------|--------------|---------------|
| BARNA     | VBA | CH 121X | 117.400MHz | 45 44 52.08N | 017 08 48.29E |
| DUBROVNIK | DBK | CH 101X | 115.400MHz | 42 34 13.84N | 018 16 38.79E |
| LOŠINJ    | NTL | CH 120Y | 117.350MHz | 44 33 59.44N | 014 23 27.79E |
| PULA      | PUL | CH 49Y  | 111.250MHz | 44 53 32.52N | 013 55 05.23E |
| RIJEKA    | RJK | CH 125X | 117.800MHz | 45 13 26.85N | 014 34 01.06E |
| SPLIT     | SPL | CH 104X | 115.700MHz | 43 29 47.69N | 016 18 17.00E |
| ZADAR     | ZDA | CH 23X  | 108.600MHz | 44 05 43.16N | 015 21 51.22E |
| ZAGREB    | ZAG | CH 84X  | 113.700MHz | 45 53 44.01N | 016 18 24.11E |

### DME

|           |     |         |            |              |               |
|-----------|-----|---------|------------|--------------|---------------|
| BRAČ      | BRC | CH 101Y |            | 43 16 56.93N | 016 37 20.83E |
| DUBROVNIK | IDU | CH 38X  |            | 42 34 08.19N | 018 15 07.96E |
| JAPETIĆ   | JAP | CH 123Y |            | 45 44 40.18N | 015 36 29.45E |
| LOŠINJ    | LSJ | CH 21Y  |            | 44 30 57.23N | 014 29 27.66E |
| LUKAVEC   | LUK | CH 35Y  |            | 45 41 25.96N | 015 59 32.90E |
| OSIJEK    | KLS | CH 29Y  |            | 45 27 58.26N | 018 47 32.16E |
| OSIJEK    | ISJ | CH 48X  |            | 45 27 51.96N | 018 47 59.67E |
| SPLIT     | IST | CH 42X  |            | 43 31 57.61N | 016 17 20.86E |
| ZAGREB    | IZA | CH 32X  | 109.500MHz | 45 44 05.78N | 016 03 12.42E |

### NDB

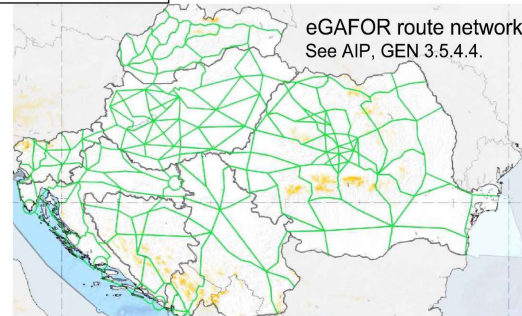
|            |     |          |              |               |
|------------|-----|----------|--------------|---------------|
| BREZA      | BRZ | 400KHz   | 45 25 25.14N | 014 20 43.44E |
| CRES       | CRE | 433KHz   | 44 54 10.37N | 014 24 59.57E |
| DRVENIK    | DVN | 418KHz   | 43 26 48.24N | 016 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 |

### L

|               |    |        |              |               |
|---------------|----|--------|--------------|---------------|
| BOKANJAC      | BO | 85KHz  | 44 10 09.29N | 015 15 50.41E |
| CAVTAT        | CV | 397KH  | 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 |
| RIJEKA        | RI | 289KHz | 45 08 15.04N | 014 39 10.56E |
| S.KRALJEVEC   | SK | 350KHz | 45 48 20.96N | 016 09 52.78E |
| VELIKA GORICA | VG | 325KH  | 45 43 31.30N | 016 02 31.44E |
| ZADAR         | ZK | 348KHz | 44 05 40.45N | 015 21 54.26E |

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

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### REPORTING POINTS

|       |           |            |       |           |            |
|-------|-----------|------------|-------|-----------|------------|
| ABLAT | 45 23 26N | 013 37 34E | NETKO | 43 02 30N | 017 39 42E |
| AIOŠA | 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 28N | 016 02 56E | 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 36 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 | 43 21 06N | 017 16 38E |
| MONFA | 45 29 14N | 013 16 45E | VELUG | 42 54 27N | 015 26 15E |
| NEKIN | 46 24 06N | 016 42 12E | VIBOP | 44 59 57N | 018 43 39E |
| NEMEK | 45 34 29N | 015 17 53E | XAMIT | 43 18 42N | 014 47 52E |
| NERRA | 42 54 19N | 017 32 36E |       |           |            |