Device Map Cards

Card Types, Coverage, and Uses

Card Types

- **Two cards per device**
- **Each card includes "worldwide" coverage for its mission profile**
  - The term "worldwide" means areas that JMATS operates in
  - Currently, cards are 512mb: _not enough space to cover the planet_
  - Areas with no coverage are going to show "OFF MAP" in the digital map
  - See end of this document for coverage maps (**green** is available)
- **Both cards can be in the EMMU map reader at the same time**
  - However, Slot 0 will always assert itself as primary if there are two cards with the _same map scale_
  - Not recommended to install both at once

Map Card Coverage

- **Two cards labeled "Tactical" and "Enroute"**
- <u>**Tactical**</u> **– tactical chart coverage with overlays at some scales**
- <u>**Enroute**</u> **– "IFR" chart coverage with some tactical scales (JOG for airport review, for example)**

- **Selection "rules"**
  - On HDD selection, the digital map defaults to 1:50K scale. If an airport diagram exists for the current location, it will be visible at the 1:50K scale.
  - Slot 0 is primary.
  - Multiple types at the same scale don't work
    - Example – The 1:500K (TPC) scale has local restrictions, VVOD, ROZ on the Tactical card. The Enroute card also has a 1:500K scale that is IFR Low charts. If the Enroute chart is in Slot 0 and Tactical is in Slot 1, you won't be able to see the tactical chart and overlays, since the IFR Low chart is in Slot 0.
    - ***This rule applies even if you select Slot 1 on the AMU.***

Tactical Map Card Scales	Chart Type	Enroute Map Card Scales	Chart Type
1:50000	Airport Diagram*	1:50000	Airport Diagram†
1:250000	JOG with Restrictions, ROZ, and VOD	1:250000	JOG††
1:500000	TPC with Restrictions, ROZ, and VOD**	1:500000	TPC with IFR Low
1:1000000	ONC with Killbox	1:1000000	ONC with IFR High
1:2000000	JNC with IFR High	1:2000000	JNC with IFR High
1:5000000	GNC	1:5000000	GNC
NOTES	*As of Fall 2023: KLRF, KJAN, KFSM, KMSY, KABQ **Afghanistan 1:500K includes killbox and airfield sector overlays	NOTES	†As of Fall 2023: KLRF, KJAN, KFSM, KMSY, KABQ ††JOG coverage is available for the area immediately around airports Some areas of the world are tactical chart scales only (Afghanistan, some Pacific areas)

Tactical Map Card Scales
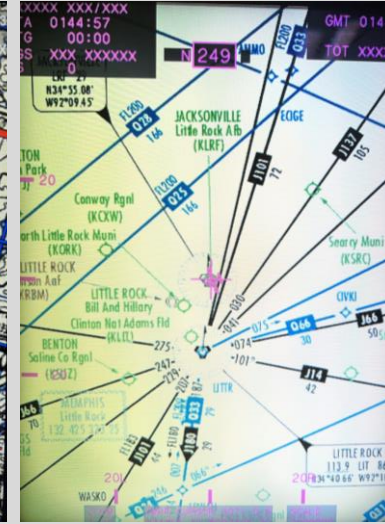

1:50K
(Airport Diagrams)
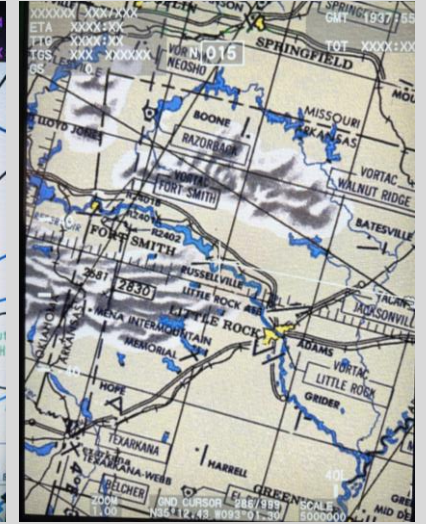
1:250K
(JOG w/VOD,
Restrictions, ROZ)
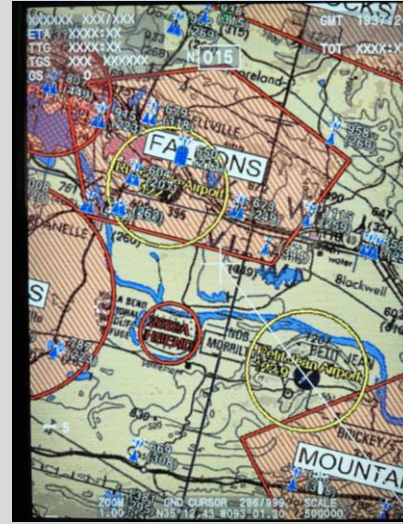
1:500K
(TPC w/VOD,
Restrictions, ROZ,
Afghan Sectors,
Afghan Killbox)

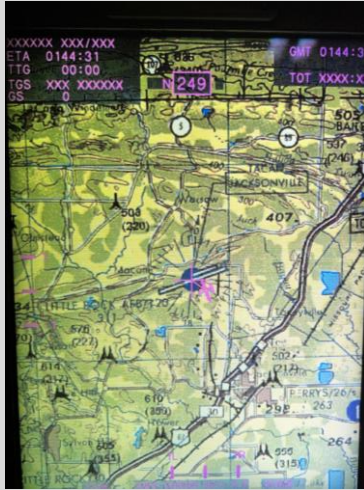1:1M
(ONC w/Killbox, Sectors)

1:2M
(IFR High)

1:5M
(GNC)

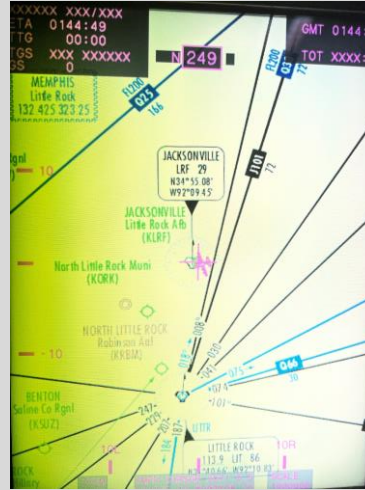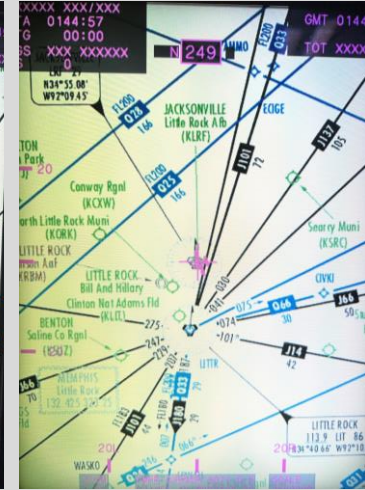# Enroute Map Card Scales

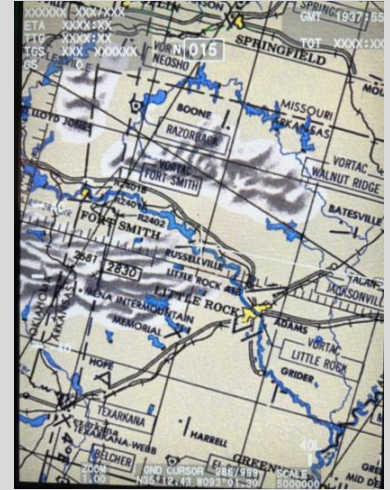1:50K
(Airport Diagrams)

1:250K
(Airport Environment)

1:500K
(IFR Low)

1:1M
(IFR High)

1:2M
(IFR High including Oceanic)

1:5M
(GNC)

Map Card Usage Examples

- **Pacific Overwater (RJSM – PASY)**
  - Install ENROUTE card
  - Use JOG scale for airport review
  - Use 1:2M (ONC) for IFR enroute across the Pacific (will show airways and waypoints)
- **Vertical Obstruction Data**
  - Install TACTICAL card
  - Select JOG or TPC scale to view VOD (in blue)
- **Non-towered airports**
  - Install TACTICAL card
  - Select JOG or TPC scale as desired (airports have 3nm yellow circle)
  - TAC PLOTS are optional
- **ROZ**
  - Install TACTICAL card
  - Select JOG or TPC scale as desired (ROZ are red hatched polygons with label)
  - *PRO TIP:* insert ROZ center point as cursor target to quickly snap to that ROZ (e.g. – TIGERS ROZ center is custom point "AUTIG"). Available on both Block 6.0 and 8.1 MASTER cards in the devices.
- **KILLBOX**
  - Install TACTICAL card
  - Select ONC scale to view overlay
  - *PRO TIP:* insert killbox center point as cursor target to quickly snap to that keypad (e.g. – KB 75AK center is custom point "75AK"). ***Not available on MASTER cards in devices.*** You'll need to add to a mission card to have these available.
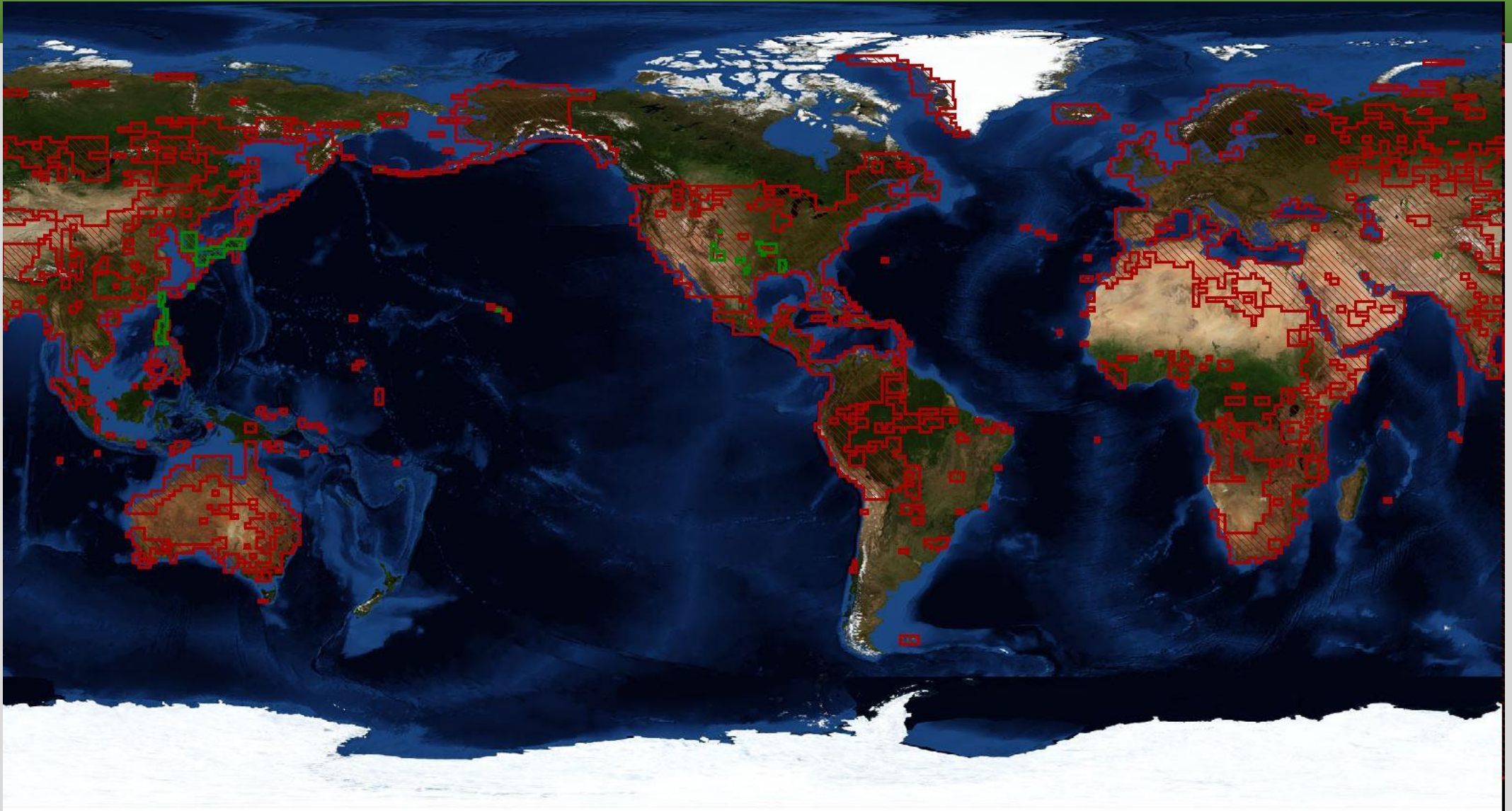- **Sector departures and arrivals**
  - Install TACTICAL card
  - Select TPC or ONC scale as desired to view sector
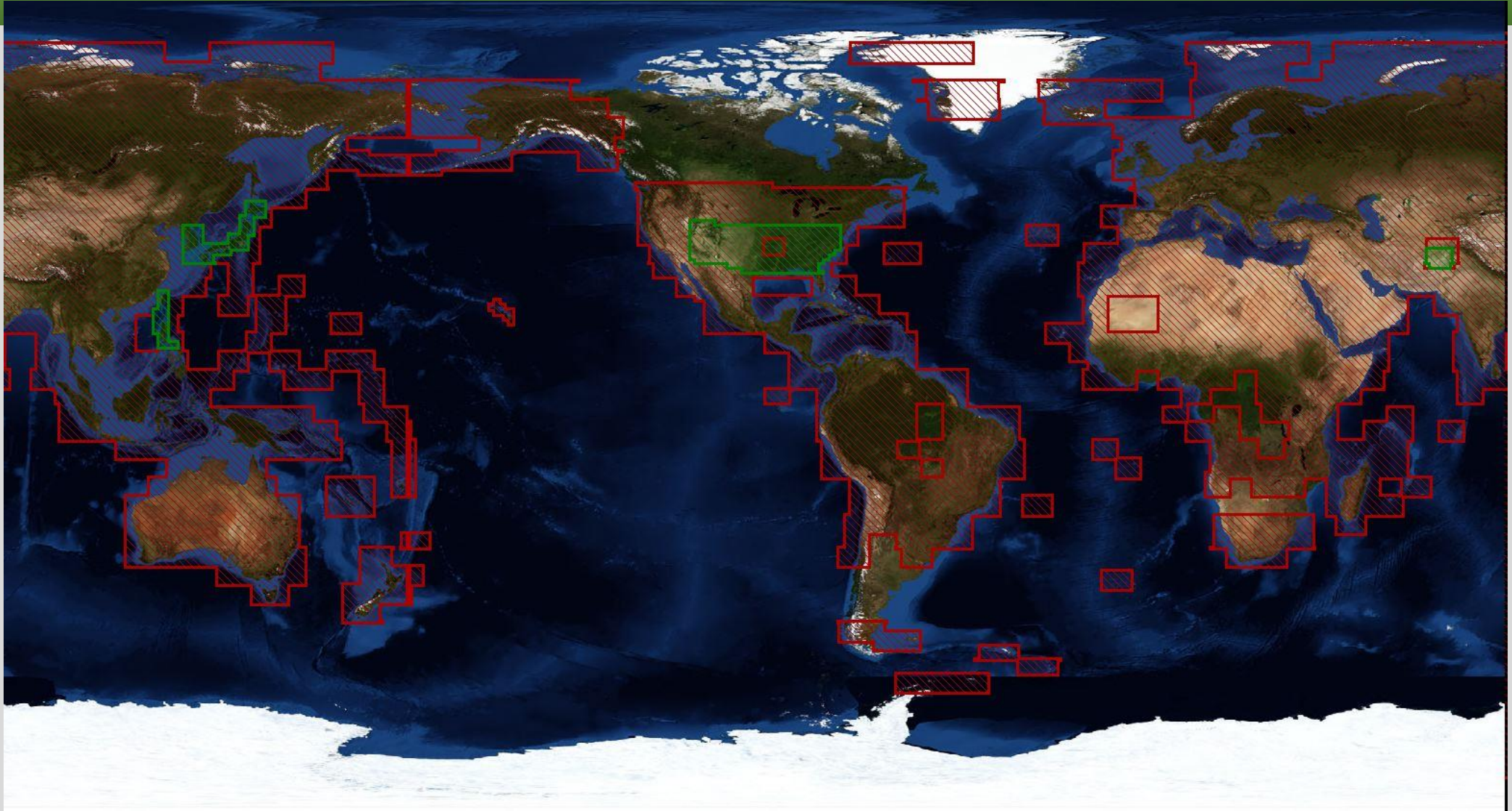
Airport Diagram Coverage (both cards)

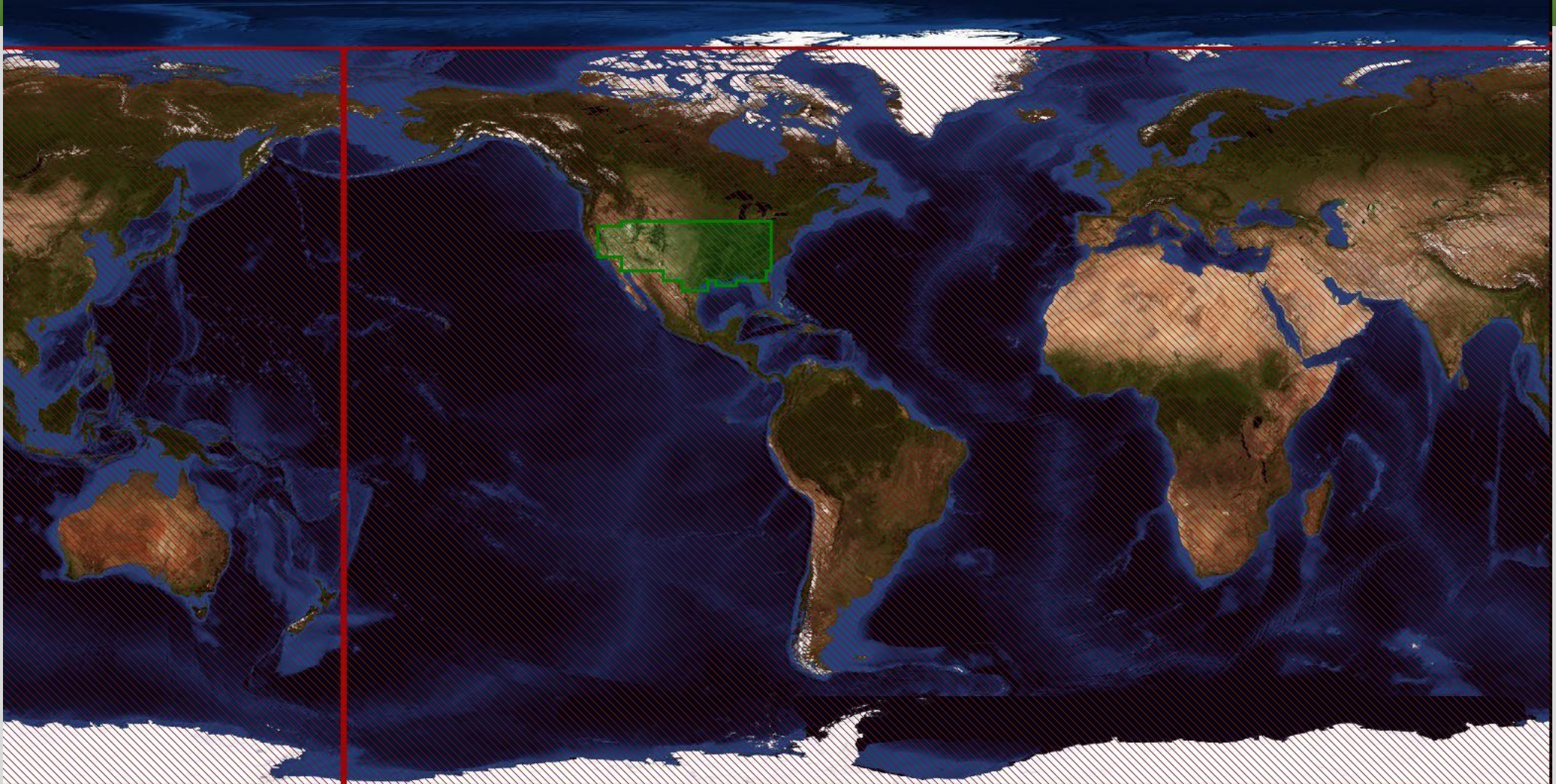Shows red, but they're installed.
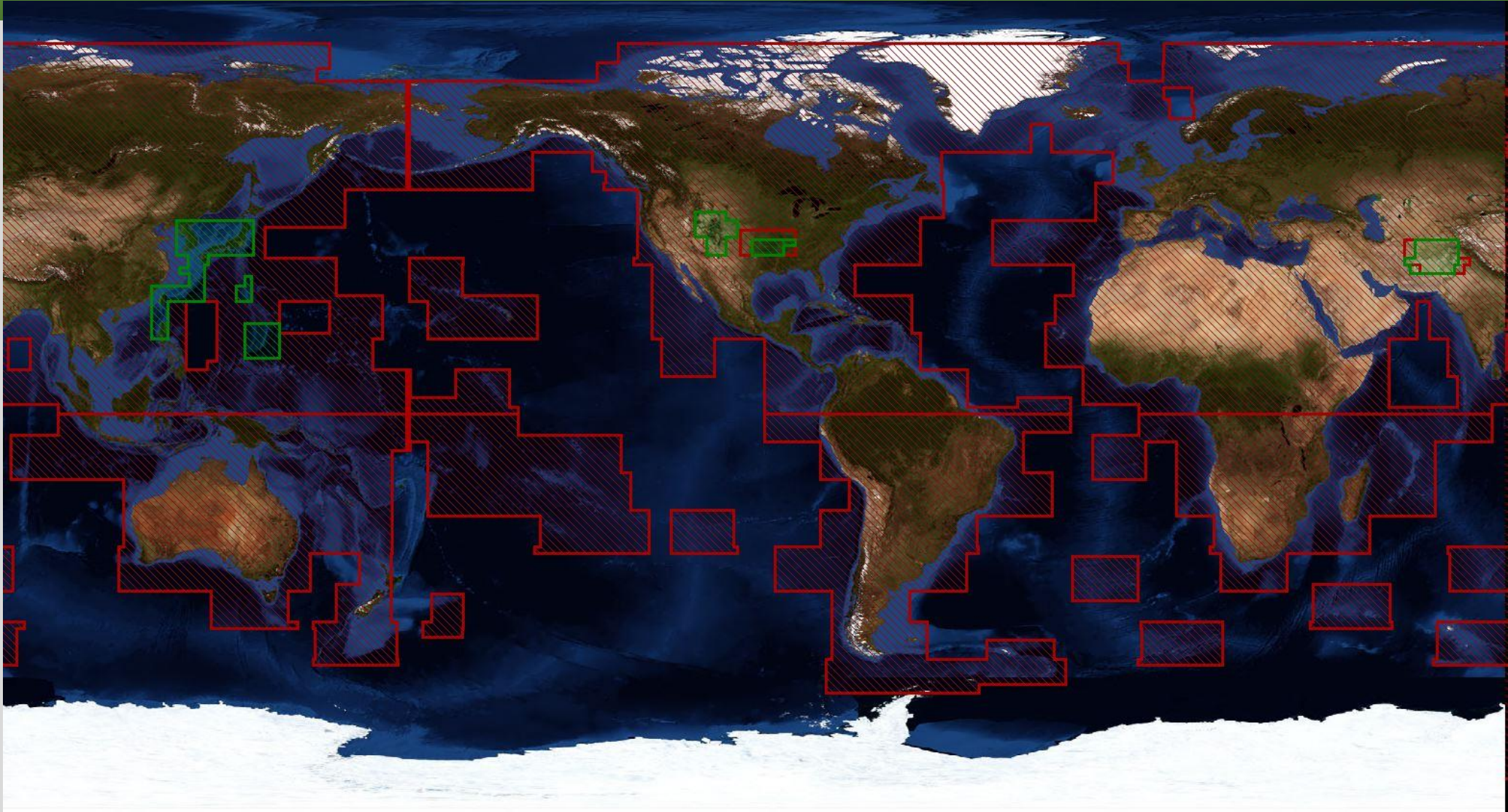
JOG 1:250K Coverage (both cards)
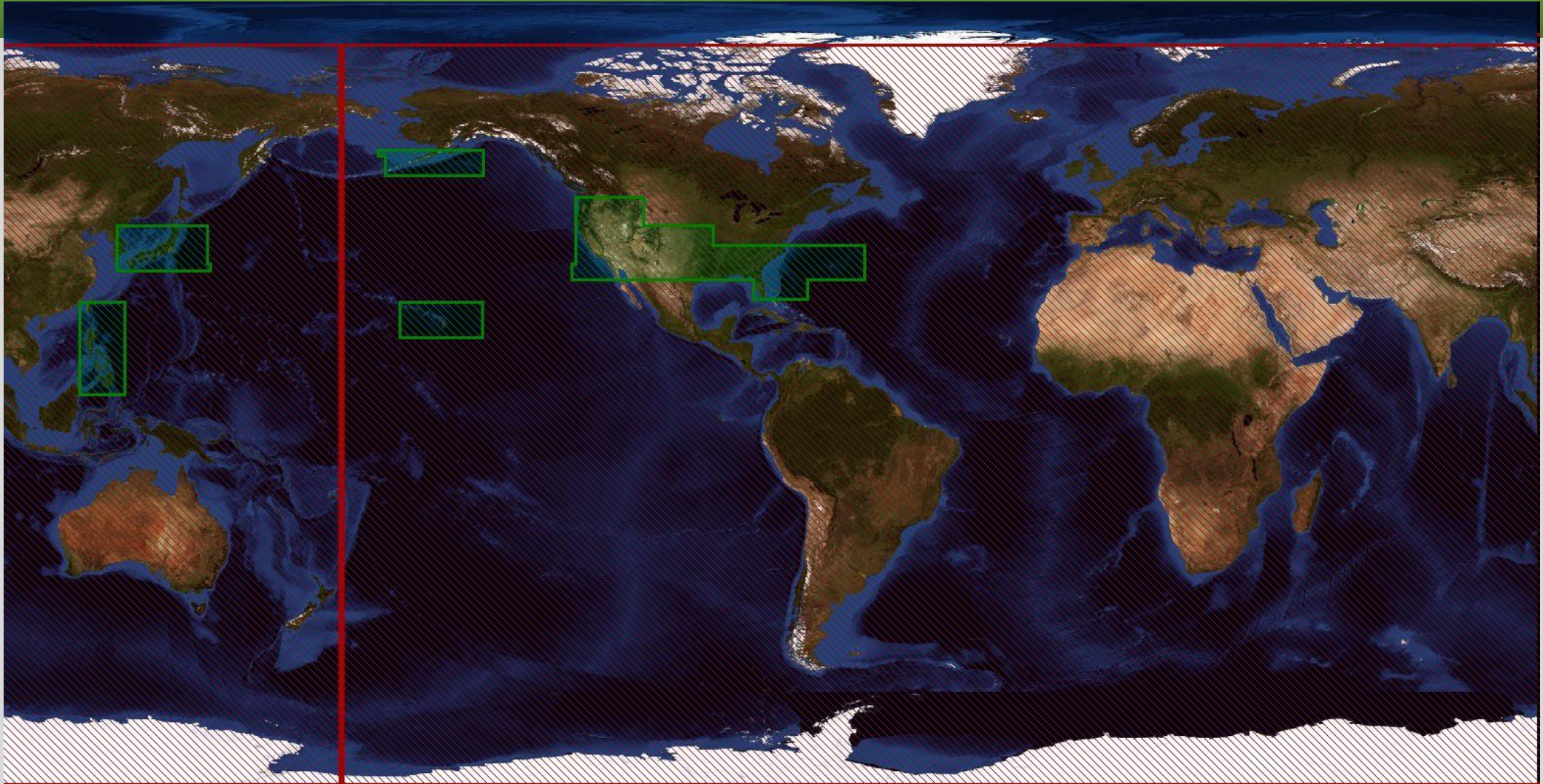
TPC 1:500K Coverage (Tactical)
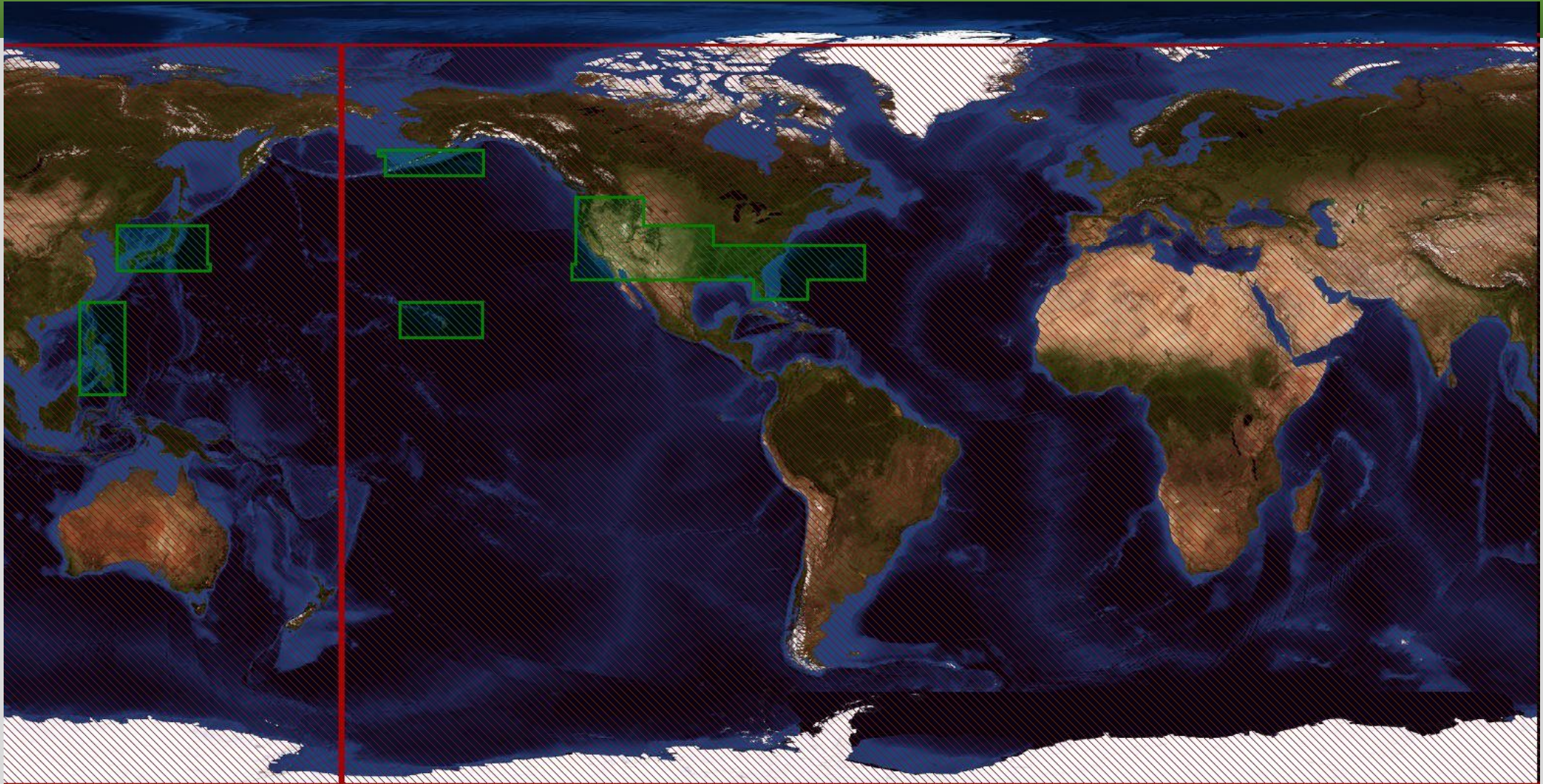
IFR Low 1:500K Coverage (Enroute)
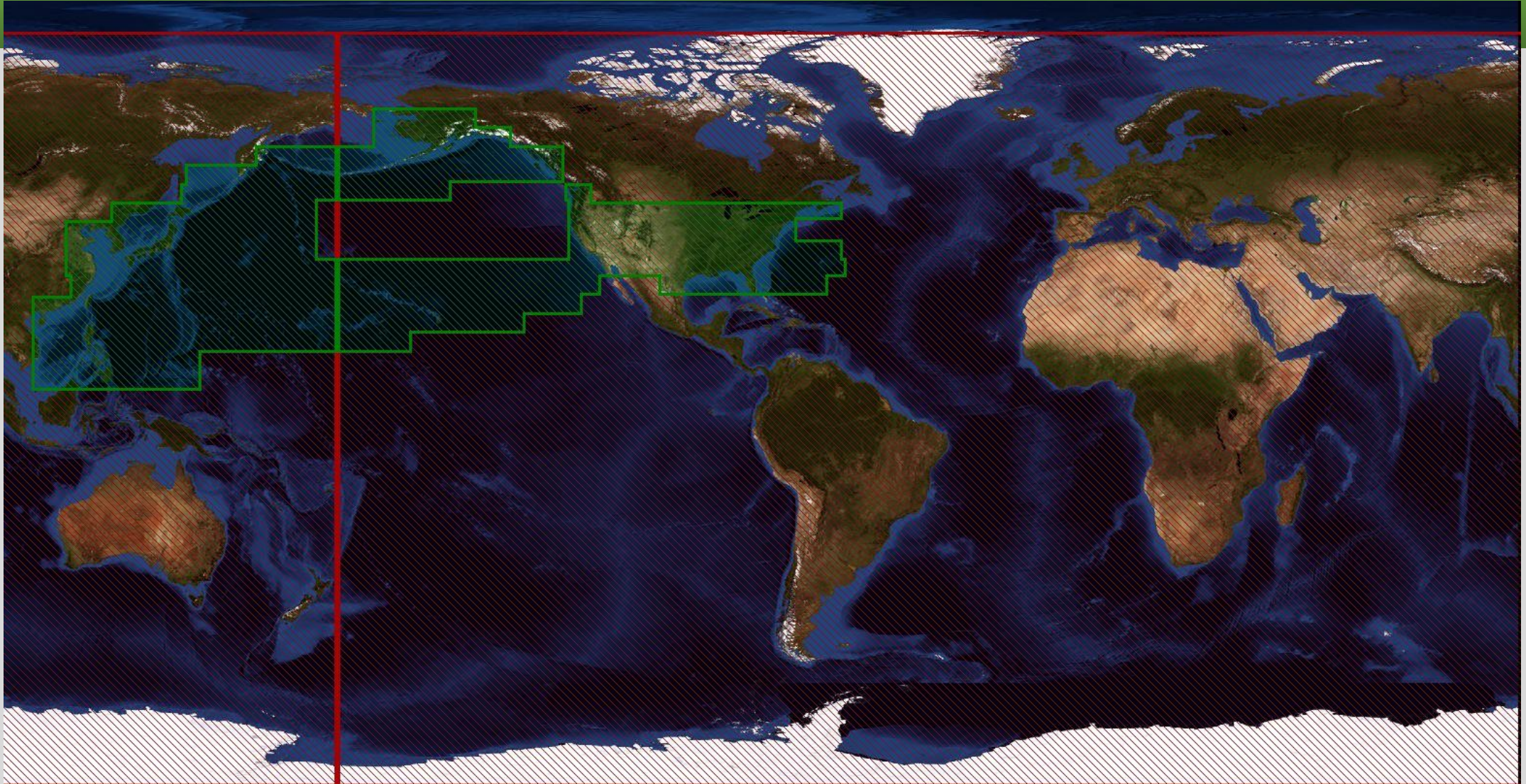
ONC 1:1M Coverage (Tactical)

IFR High 1:1M Coverage (Enroute)

JNC 1:2M Coverage (Tactical)

IFR High 1:2M Coverage (Enroute)

GNC 1:5M Coverage (Both cards)