



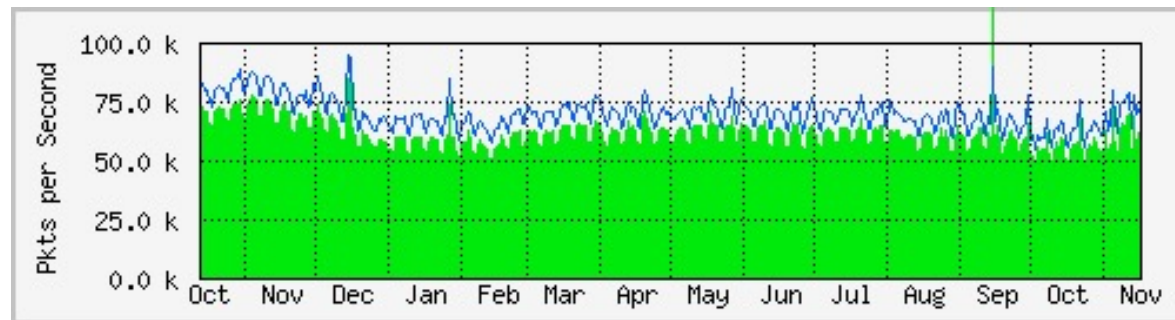
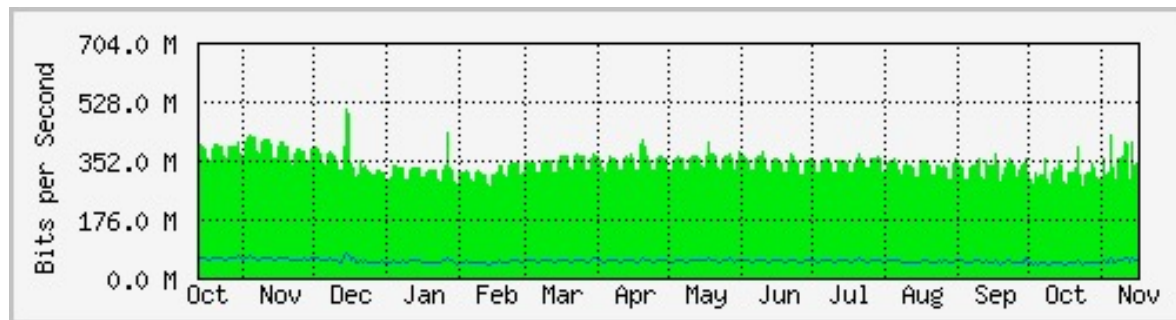
ROOT DNS Update

WIDE Project / 東京大学
関谷 勇司

2021/11/19

IW2021 DNS Day

トラフィック動向



拠点を増えました！

Operator: WIDE Project [Homepage](#) [Peering Policy](#) [Contact Email](#) [RSSAC](#)

Locations: Sites: 7

- Brisbane, AU**
- Hanoi, VN**
- Osaka, JP
- Paris, FR
- San Francisco, US
- Seoul, KR
- Tokyo, JP

IPv4: 202.12.27.33

IPv6: 2001:dc3::35

ASN: 7500

[M Root YAML](#)

Legend

- IPv6 Enabled Global
- IPv4 Only Global
- IPv6 Enabled Local
- IPv4 Only Local

RSSAC とは

- ICANNコミュニティと理事会に対して、インターネットルートサーバシステムの運用、運営管理、セキュリティ、完全性に関して助言を行う組織
- より広いメンバーを集めた RSSAC Caucus も組織

Root Server Operator	Representative	Alternate	Term Expires
Cogent	Paul Vixie	Brad Belanger	31 December 2023
Defense Information Systems Agency	Kevin Wright	Ryan Stephenson	31 December 2022
ICANN	Matt Larson	Terry Manderson	31 December 2021
Internet Systems Consortium	Fred Baker (Chair)	Jeff Osborn	31 December 2021
National Aeronautics and Space Administration (NASA) – Ames Research Center	Barbara Schleckser	Tom Miglin	31 December 2022
Netnod	Lars-Johan Liman	Patrik Fältström	31 December 2021
Réseaux IP Européens (RIPE) Network Coordination Centre	Kaveh Ranjbar	Anand Buddhdev	31 December 2023
University of Maryland	Karl Reuss	Gerry Sneeringer	31 December 2022
University of Southern California – Information Sciences Institute	Wes Hardaker	Suzanne Woolf	31 December 2023
United States Army Research Laboratory	Howard Kash	Kenneth Renard	31 December 2022
Verisign, Inc.	Brad Verd (Vice Chair)	N/A	31 December 2021
Widely Integrated Distributed Environment (WIDE) Project	Jun Murai	Hiro Hotta	31 December 2023

2021年の RSSAC 発行ドキュメント

RSSAC000v6	RSSAC Operational Procedures	13 October 2021
RSSAC057	Requirements for Measurements of the Local Perspective on the Root Server System	9 September 2021
RSSAC056	RSSAC Advisory on Rogue DNS Root Server Operators	7 July 2021
RSSAC055	Principles Guiding the Operation of the Public Root Server System	7 July 2021

RSSAC055

- Principles Guiding the Operation of the Public Root Server System
 - “Public” Root Server System ね。。。。
- Root Server System のあり方について述べた文書
 - DNS Namespace は単一かつユニークなものである
 - DNS root data は IANA 管理である
 - Root Server はダイバーシティを持つべきだ
 - Root Server Operation は透明性を持つべきだ
 - Root Server Operators は中立であるべきだ

RSSAC056

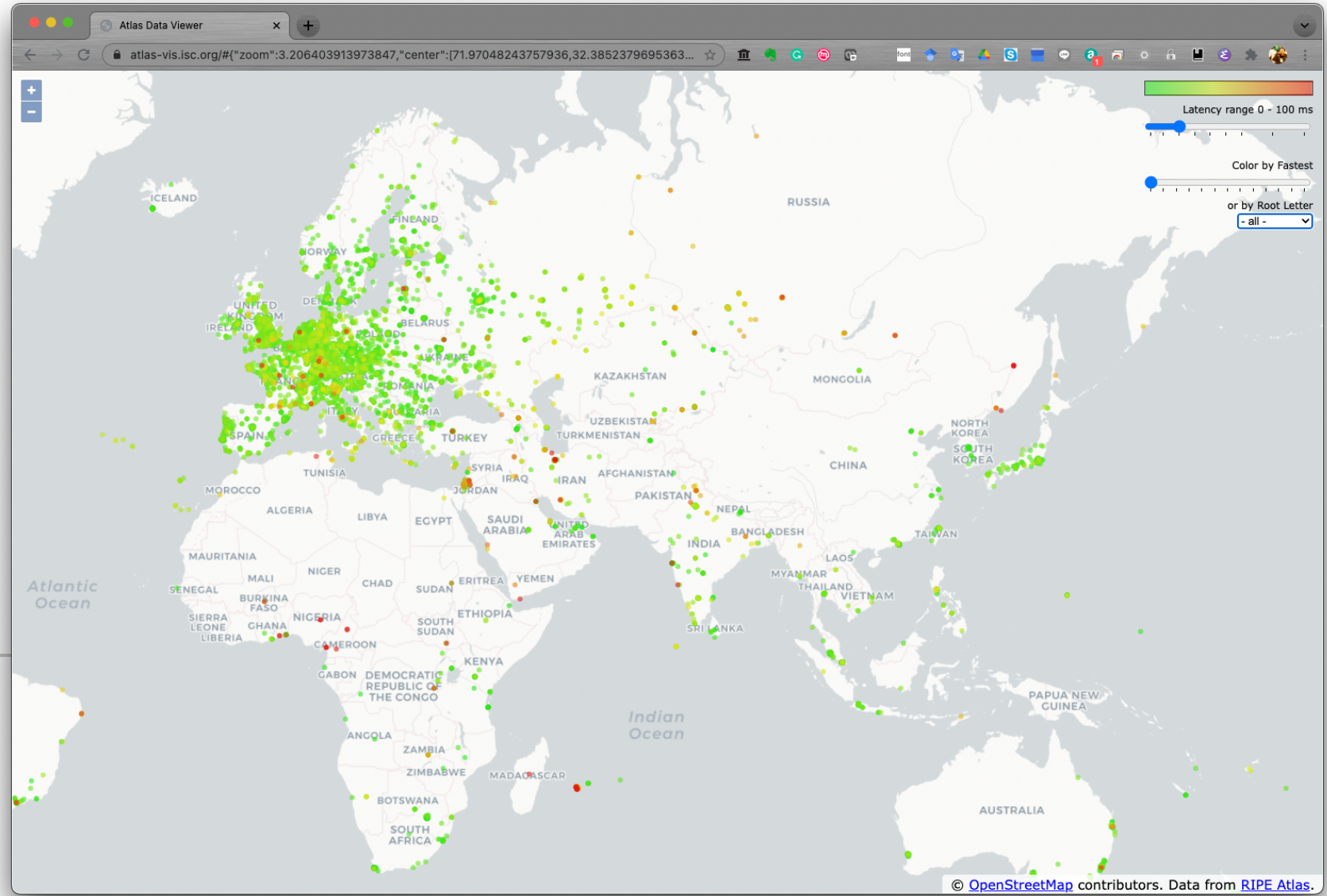
- RSSAC Advisory on Rogue DNS Root Server Operators
 - “Rogue” ね。 。 。
- Descriptions of a Rogue Operator
 - Incorrect Response Data
 - Extra Response Data
 - Bad or Incorrect Error Codes
 - Omitting DNSSEC
 - Incorrect DNS Protocol Usage
 - Intentionally Degraded Service:



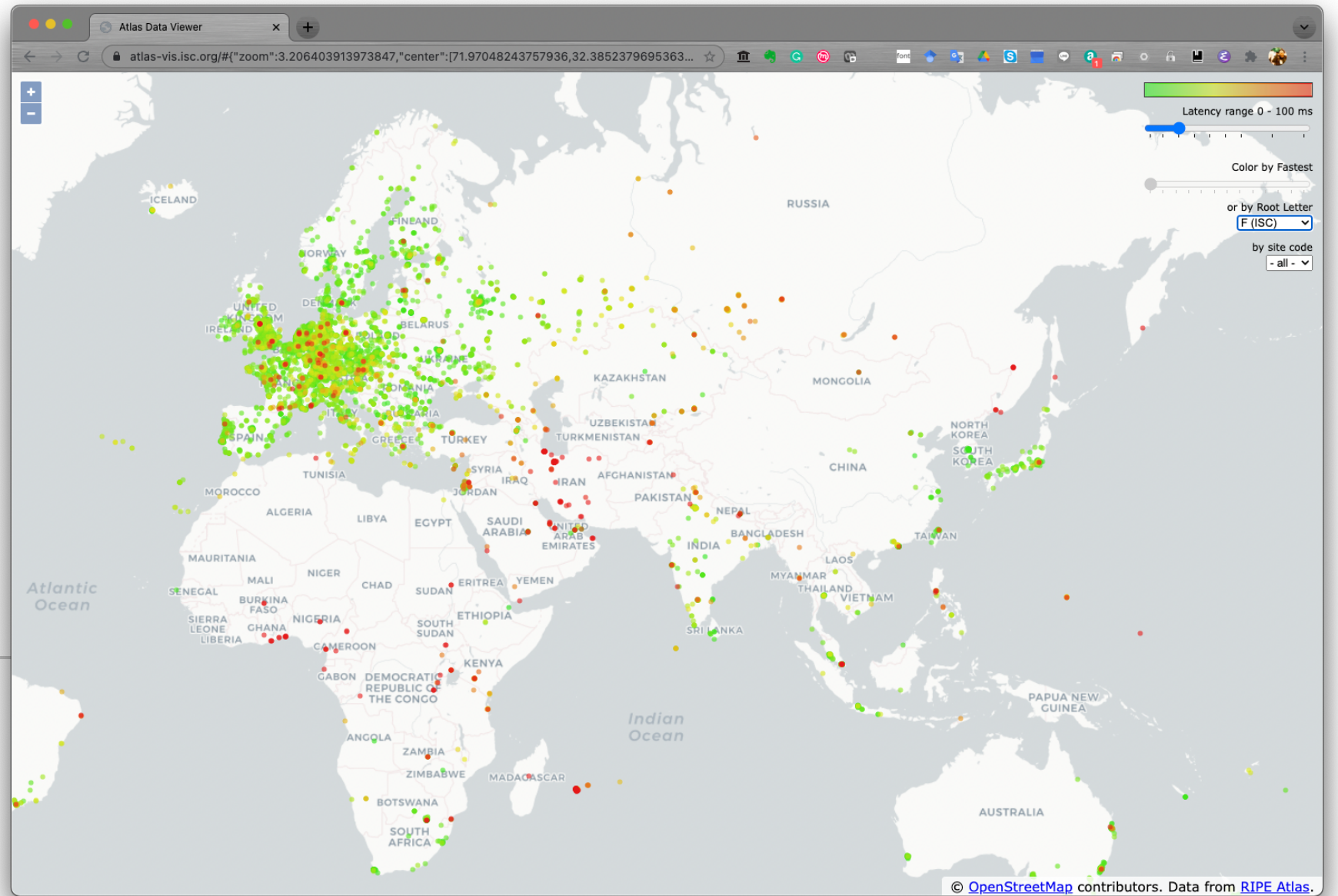
RSSAC057

- Requirements for Measurements of the Local Perspective on the Root Server System
 - Informing the Determination of Underserved Areas
 - Evaluating Third Party Requests to Host an Anycast Instance
 - Measurements

All Root DNS Servers



F-ROOT



RSSAC000v6

- RSSAC Operational Procedures
 - RSSAC の組織のあり方と運用を定義
 - RSSAC Caucus についての定義
 - RSSAC and RSSAC Caucus Work Parties
 - RSSAC Publication Procedures

Root Server 運用へのご理解ご協力ありがとうございます

M-ROOT は
WIDE / JPRS によって運用されています