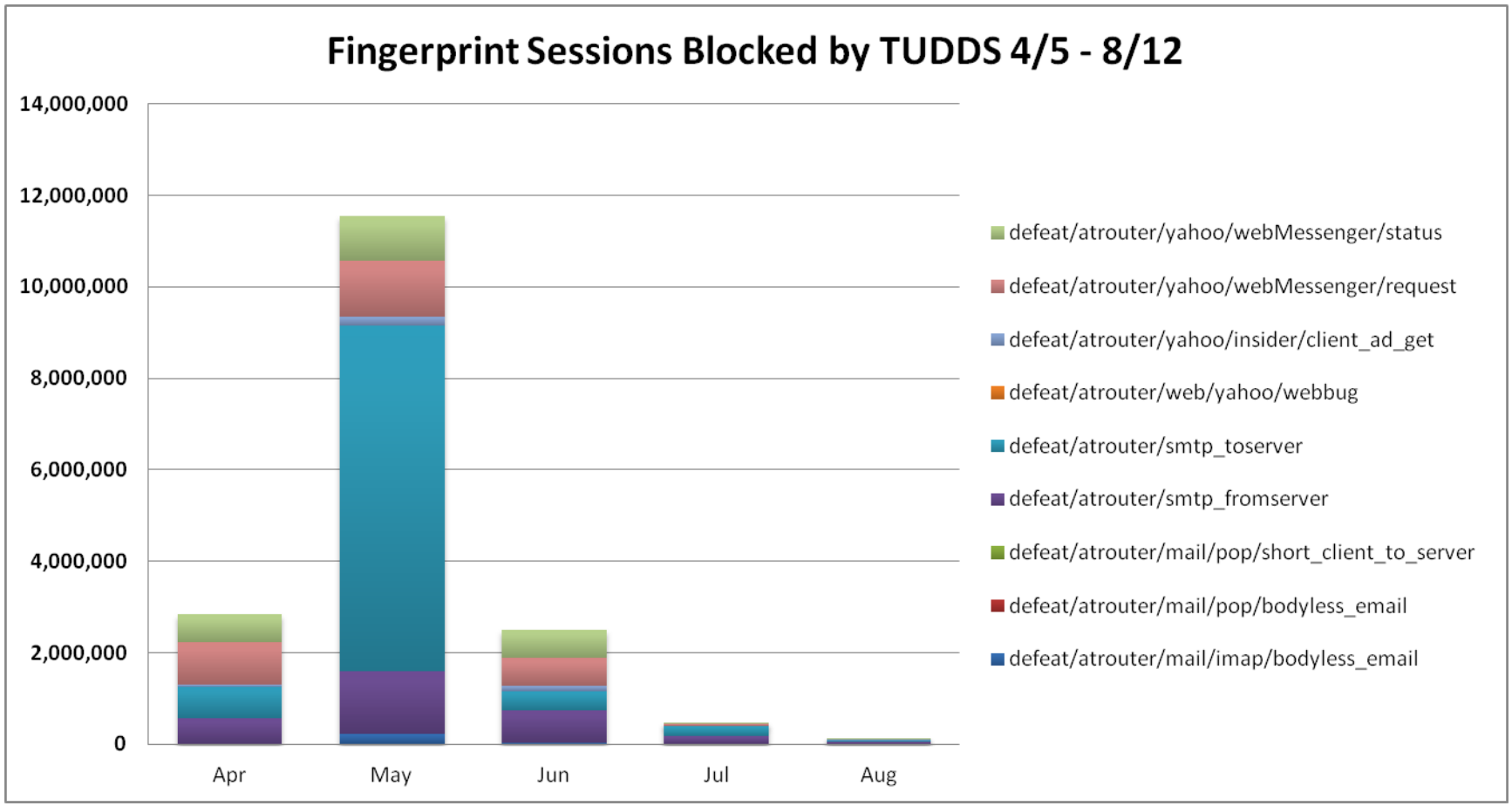
SSO Collection Optimization

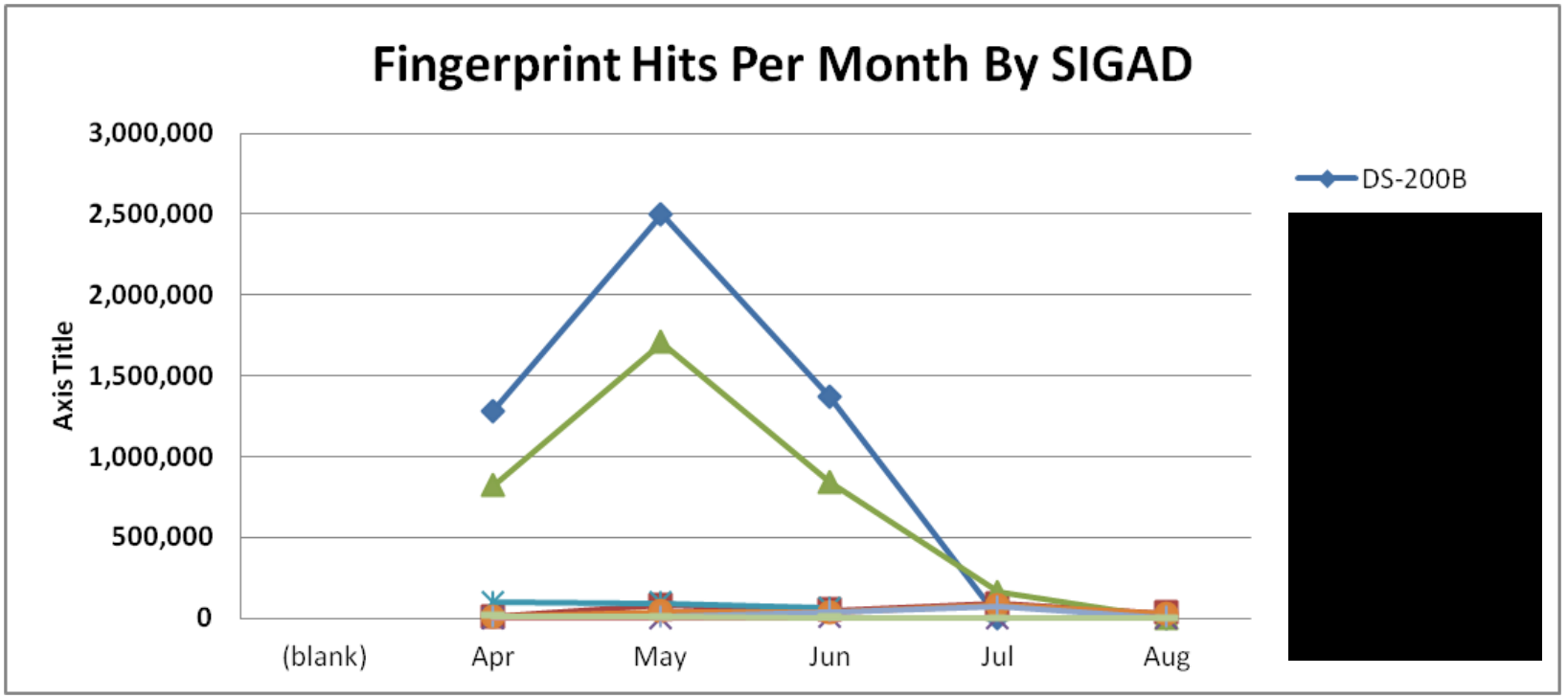
Core SSO Team:

[redacted]

TUDDS Block


Fingerprint Sessions Blocked by TUDDS 4/5 - 8/12
14,000,000
12,000,000
10,000,000
8,000,000
6,000,000
4,000,000
2,000,000
0
Apr
May
Jun
Jul
Aug
defeat/atrouter/yahoo/webMessenger/status
defeat/atrouter/yahoo/webMessenger/request
defeat/atrouter/yahoo/insider/client_ad_get
defeat/atrouter/web/yahoo/webbug
defeat/atrouter/smtp_toserver
defeat/atrouter/smtp_fromserver
defeat/atrouter/mail/pop/short_client_to_server
defeat/atrouter/mail/pop/bodyless_email
defeat/atrouter/mail/imap/bodyless_email

TUDDS Block


Fingerprint Hits Per Month By SIGAD
3,000,000
2,500,000
2,000,000
1,500,000
1,000,000
500,000
0
Axis Title
(blank)
Apr
May
Jun
Jul
Aug
DS-200B
[redacted]

Current Efforts - Google

- Defeat Fingerprints

defeat/dev/google/adwords
defeat/dev/google/bigtable
defeat/dev/google/blogger_js
defeat/dev/google/teragoogle

Serendipity – New Protocols

PWID: [redacted]
SCID: [redacted]
TRSID: [redacted]
Visibility Group: YNKE
SIGAD: [redacted]
PDDG: 9C
DTG: 17JL1041Z12
Case Notation: CTWBDP050000000
Authorization Category: EO12333
Selector: [redacted]@gmail.com<google>

⊞ **PINWALE**

Contents (1)

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Display Information: Binary

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View As: Formatted Text **Binary Char:** . Encoding Translate

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3.0.4506.2152; .NET CLR 3.5.30729; BOIE8;ENUS),gzip(gfe)2 [redacted]@gmail.com▯..Ø;▯▯8...À.À ÿ▯» ±.
Trident/4.0; GTB7.3; InfoPath.2; .NET CLR 2.0.50727; .NET CLR [redacted]NET CLR 3.5.30729; BOIE8;ENUS),gzip
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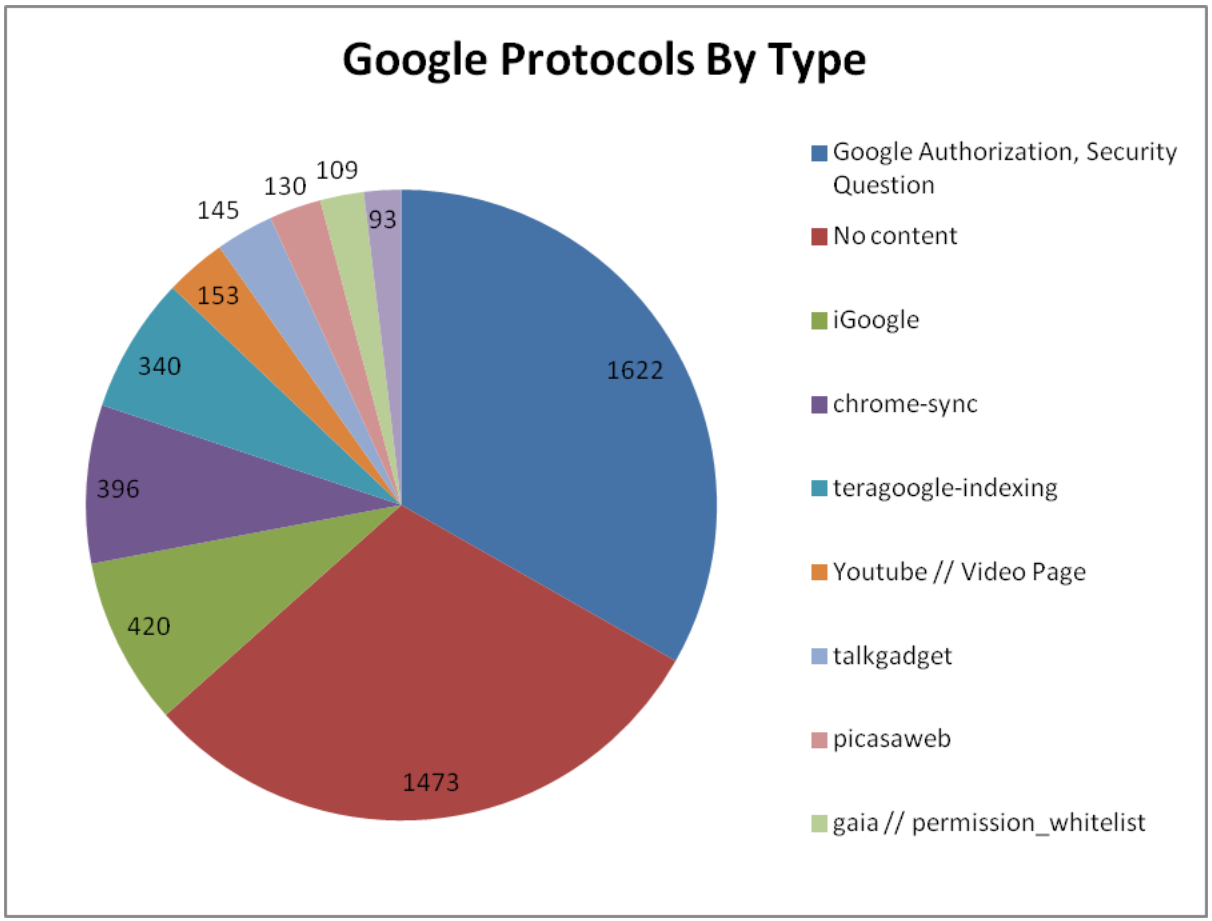
Serendipity – New Protocols



What Yahoo and Google did not think the NSA could see

6 Pages - Contributed by Matt DeLong, Washington Post - Oct 31, 2013

Special Source Operations (p. 1)

TOP SECRET//SI//NOFORN

Special Source Operations

SSO Collection Optimization

Core SSO Team:

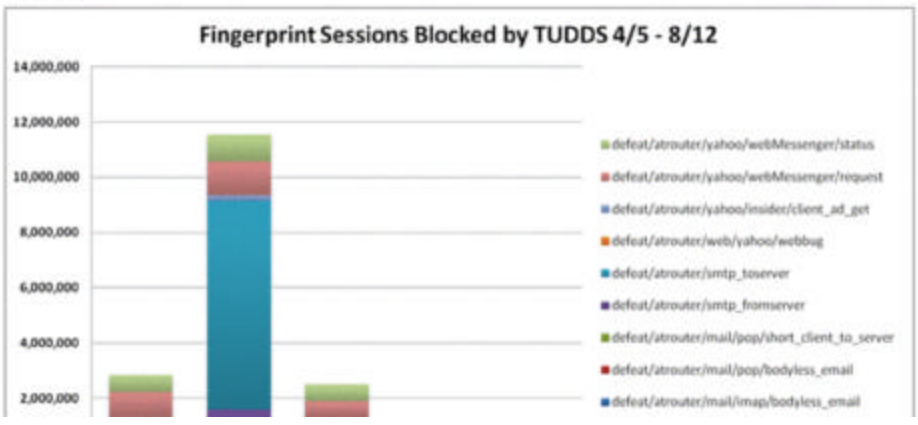
[redacted]

TOP SECRET//SI//NOFORN

Yahoo data formats (p. 2)

TOP SECRET//SI//NOFORN

TUDDS Block



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What is NSA blocking with these "defeats"? (p. 4)

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Current Efforts - Google

- Defeat Fingerprints

defeat/dev/google/adwords
defeat/dev/google/bigtable
defeat/dev/google/blogger_js
defeat/dev/google/teragoogle

Inside Google's network (p. 5)

TOP SECRET//SI//NOFORN

Serendipity – New Protocols

PWID: [redacted]
SCID: [redacted]
TRSID: [redacted]
Visibility Group: YNKE
SIGAD: [redacted]
PDDG: 9C
DTG: 171041Z12
Case Notation: CTWSDP050000000
Authorization Category: [redacted]
Selector: [redacted]

- Internal server-to-server authentication, based on hard selector
- Valid user agent string, not populated into Marina (yet!)

PINWALE

Contents (1)

File Name

85736eee-cffb-11e1-b70a-db0a2b41fd11

Display Information: Binary

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View As: Formatted Text Binary Char: . Encoding Translate

Google's internal traffic (p. 6)

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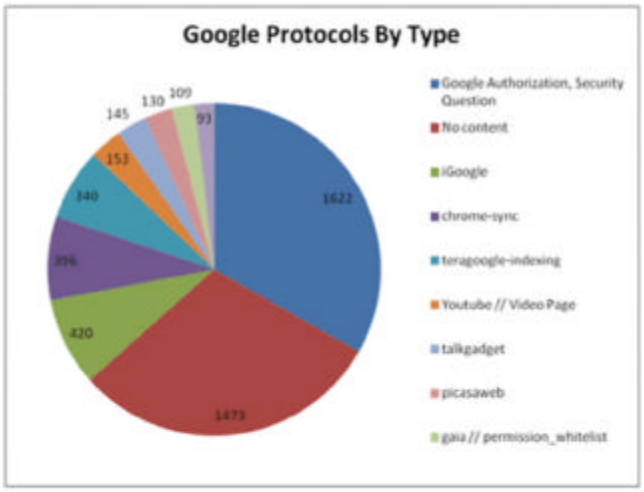
Serendipity – New Protocols



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