## **PUBLISHED**

UNITED STATES COURT OF APPEALS
FOR THE FOURTH CIRCUIT

No. 12-4659

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UNITED STATES OF AMERICA,

Plaintiff - Appellee,

v.

AARON GRAHAM,

Defendant - Appellant.

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ELECTRONIC FRONTIER FOUNDATION; NATIONAL ASSOCIATION OF CRIMINAL DEFENSE LAWYERS; AMERICAN CIVIL LIBERTIES UNION FOUNDATION OF MARYLAND; CENTER FOR DEMOCRACY & TECHNOLOGY; AMERICAN CIVIL LIBERTIES UNION FOUNDATION,

Amici Supporting Appellant.

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No. 12-4825

UNITED STATES OF AMERICA,

Plaintiff - Appellee,

v.

ERIC JORDAN,

Defendant - Appellant.

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ELECTRONIC FRONTIER FOUNDATION; NATIONAL ASSOCIATION OF CRIMINAL DEFENSE LAWYERS; AMERICAN CIVIL LIBERTIES UNION

FOUNDATION OF MARYLAND; CENTER FOR DEMOCRACY & TECHNOLOGY; AMERICAN CIVIL LIBERTIES UNION FOUNDATION,

Amici Supporting Appellant.

Appeals from the United States District Court for the District of Maryland, at Baltimore. Richard D. Bennett, District Judge. (1:11-cr-00094-RDB-1; 1:11-cr-00094-RDB-2)

Argued: December 11, 2014 Decided: August 5, 2015

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Before MOTZ and THACKER, Circuit Judges, and DAVIS, Senior Circuit Judge.

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Affirmed by published opinion. Senior Judge Davis wrote the majority opinion, in which Judge Thacker joined. Judge Thacker wrote a separate concurring opinion. Judge Motz wrote an opinion dissenting in part and concurring in the judgment.

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ARGUED: Meghan Suzanne Skelton, OFFICE OF THE FEDERAL PUBLIC DEFENDER, Greenbelt, Maryland; Ruth J. Vernet, RUTH J VERNET, LLC, Rockville, Maryland, for Appellants. Rosenstein, OFFICE OF THE UNITED STATES ATTORNEY, Baltimore, Maryland, for Appellee. ON BRIEF: James Wyda, Federal Public Defender, OFFICE OF THE FEDERAL PUBLIC DEFENDER, Baltimore, Maryland, for Appellant Aaron Graham. Nathan Judish, Computer Crime & Intellectual Property Section, UNITED STATES DEPARTMENT JUSTICE, Washington, D.C.; Benjamin M. Block, United States Attorney, Baltimore, Maryland, Sujit Raman, Chief of Appeals, OFFICE OF THE UNITED STATES ATTORNEY, Greenbelt, Maryland, for Appellee. Nathan Freed Wessler, Catherine Crump, Ben Wizner, AMERICAN CIVIL LIBERTIES UNION FOUNDATION, New York, York; David R. Rocah, AMERICAN CIVIL LIBERTIES UNION FOUNDATION OF MARYLAND, Baltimore, Maryland; Kevin S. Bankston, T. Nojeim, CENTER FOR DEMOCRACY & TECHNOLOGY, Washington, D.C.; Thomas K. Maher, Vice-Chair, 4th Circuit Amicus Committee, NATIONAL ASSOCIATION OF CRIMINAL LAWYERS, Durham, North Carolina; Hanni Fakhoury, ELECTRONIC FRONTIER FOUNDATION, San Francisco, California, for Curiae.

## DAVIS, Senior Circuit Judge:

Appellants Aaron Graham and Eric Jordan appeal convictions for several offenses arising from a series of armed Specifically, Appellants challenge the robberies. district court's admission of testimonial and documentary relating to cell site location information ("CSLI") recorded by their cell phone service provider. We conclude that the government's warrantless procurement of the CSLI unreasonable search in violation of Appellants' Fourth Amendment rights. Nevertheless, because the government relied in good faith on court orders issued in accordance with Title II of the Electronic Communications Privacy Act, or the Communications Act ("SCA"), we hold the court's admission of the challenged evidence must be sustained.

Jordan separately challenges restrictions on his own testimony imposed by the district court, the court's denial of his motion for severance, the exclusion of certain out-of-court statements attributed to Graham, the admission of evidence seized during a search of his residence, and the sufficiency of the evidence supporting several of his convictions. Finding no reversible error in these respects, we affirm the judgment of the district court.

This prosecution arose from a series of six armed robberies of several business establishments located in Baltimore City and Baltimore County, Maryland. After a nine-day joint trial in the U.S. District Court for the District of Maryland, a jury found Appellants guilty on all counts submitted to it. Aaron Graham was convicted of being a felon in possession of a firearm, Hobbs Act robbery, conspiracy to commit Hobbs Act robbery, and brandishing a firearm in connection with all six robberies. Eric Jordan was convicted of conspiracy, Hobbs Act robbery, and brandishing a firearm in connection with three of the robberies.

Α.

The evidence adduced at trial permitted the jury to find the following facts.

The first robbery occurred the evening of January 17, 2011, at a Dollar Tree store in Baltimore County. Graham entered the store, brandished a small black gun, and directed a cashier to open a cash register. The cashier removed cash from the register and gave it to Graham. Graham reached over the counter to grab additional cash before fleeing the store.

The second and third robberies occurred five days later. On the evening of January 22, 2011, five individuals, including Graham, arrived at Mondawmin Mall in Baltimore in a dark colored Ford F-150 pickup truck, exited the vehicle, and entered the shopping mall before the truck pulled away. Graham, seen on

video surveillance wearing the same clothing worn during the Dollar Tree robbery five days earlier, entered the Milan Gold & Diamonds jewelry store ("Milan Gold") inside the mall with a second individual. After two other individuals entered the store, leaving a fifth standing outside the door, Graham pointed a gun at a clerk and demanded, "Don't be smart with me. Just give me everything." J.A. 1522. The three persons with Graham picked up the jewelry as the clerk removed it from a display case. Graham demanded a specific watch from a separate display case and, after the clerk gave it to him, he and the others left the mall.

Later that evening, Graham, again wearing the same clothes, entered a 7-Eleven store in Baltimore, walked behind the counter, grabbed the clerk, and demanded that he open the cash register. The clerk did not see a gun but saw Graham's hand inside his jacket and later testified that "it felt like there was some kind of weapon, some kind of material in there . . . ."

J.A. 1600. Graham emptied two cash registers and then ordered the clerk to go into a back room inside the store. After Graham left, the clerk observed Graham enter the driver's side of an F-150 truck and depart. The clerk recorded video of the truck pulling away and its appearance matched that of the truck used at Mondawmin Mall earlier that evening.

The fourth robbery occurred on February 1, 2011, at a Shell gas station in Baltimore County. Graham and a masked individual entered the cashier's booth, where Graham pushed the clerk to the floor, began punching and kicking him, and then brandished a small gun, placing it near the clerk's ear. Meanwhile, a third individual stood near the door to the store with a sawed-off shotgun. When a customer attempted to leave, the third robber blocked the exit, forced the customer to the ground, and beat him in the head with the shotgun. After Graham and the second robber removed cash from the booth, the three robbers departed.

The fifth and sixth robberies occurred four days later. On February 5, 2011, at approximately 3:29 p.m., Graham entered a Burger King restaurant in Baltimore wearing the same jacket worn during the Dollar Tree, Milan Gold, and 7-Eleven robberies, and carrying a small black gun with a white handle. Graham brandished the weapon and demanded money. The restaurant manager opened several cash registers, which Graham emptied before departing. Graham was seen entering a dark colored F-150 truck on the passenger side before the truck pulled away.

About forty five minutes later, Graham entered a McDonald's restaurant approximately two miles from the Burger King, went behind the counter, and demanded money, brandishing a small black gun with a white handle. After the restaurant manager opened three cash registers, Graham removed cash and stuffed it

into his jacket before departing. The manager saw Graham enter the passenger side of a dark pickup truck, which pulled away rapidly.

While investigating the Burger King robbery, Officer Joshua Corcoran of the Baltimore Police Department received reports describing the robber, his clothing, and the pickup truck. Shortly thereafter, he heard a radio call regarding the McDonald's robbery and indicating that the pickup truck was possibly headed toward his location.

After leaving the Burger King, Corcoran spotted a pickup truck matching the descriptions he received and observed that a passenger inside the vehicle wore a jacket matching the description of that reportedly worn by the Burger King robber. During Corcoran's pursuit of the truck, the driver drove it up onto a sidewalk and accelerated. Corcoran continued pursuit just before the truck became trapped between heavy traffic, a construction barrier, and a moving train in front of it, and was forced to stop.

Corcoran and another officer conducted a felony car stop, directing orders to Graham and the driver, Jordan. Graham and Jordan were non-compliant with some of the officers' instructions but were eventually secured and arrested. At the scene, employees of Burger King and McDonald's identified Graham as the robber. A black .25 caliber Taurus pistol with a pearl

handle was recovered from under the passenger seat. Nearly \$1,100 in cash bundles were recovered from the person of Graham and Jordan, and from an open console inside the truck.

В.

During the ensuing, post-arrest investigation, Detective Chris Woerner recognized similarities between the restaurant robberies and the Milan Gold and 7-Eleven robberies. Woerner prepared search warrants for Graham's and Jordan's residences and the pickup truck. The probable cause portion of each of the warrant affidavits described what was known at the time about the Milan Gold, 7-Eleven, Burger King, and McDonald's robberies. The search warrants were issued by a judge of the Circuit Court of Maryland for Baltimore City.

While seeking the warrant Woerner was for Graham's residence, other officers conducted a search of apartment, recovering a sawed-off shotgun, a matching shotgun shell, a .357 caliber Rossi revolver, .357 caliber cartridges, and other items. Woerner executed searches of Graham's residence and the pickup truck, recovering a gun holster and several rings and watches from the residence, and two cell phones from the truck. After Woerner obtained warrants for the phones, the phone numbers associated with each phone was determined and matched the respective numbers disclosed by Graham and Jordan after their arrest.

Woerner contacted the Baltimore County Police Department to determine whether they were investigating any potentially related robberies, sending photos of Graham and Jordan and photos from the searches. Detective Kelly Marstellar recognized similarities to the Dollar Tree and Shell station robberies, including the similarity between the jacket worn by Jordan at the time of his arrest and that worn by the masked robber of the Shell station, who had entered the cashier booth. The Baltimore County Police Department prepared and executed a second round of search warrants at Graham's and Jordan's residences on February 23, 2011. During the second search of Jordan's apartment, officers recovered clothing that matched that worn by Graham during the Shell station robbery.

sought cell phone information The government from Sprint/Nextel, the service provider for the two phones recovered from the truck. Sprint/Nextel identified Graham's phone subscribed to Graham's wife at their shared Baltimore County address and Jordan's phone as subscribed to an alias or proxy. The government then sought and obtained two court orders for disclosure of CSLI for calls and text messages transmitted to and from both phones. The government's initial application for a court order sought CSLI for four time periods: August 10-15, 2010; September 18-20, 2010; January 21-23, 2011; and February 4-5, 2011. A second application followed, seeking information for a much broader timeframe: July 1, 2010 through February 6, 2011. The government used the court order to obtain from Sprint/Nextel records listing CSLI for this 221-day time period.

C.

The government charged Graham and Jordan with multiple counts of being felons in possession of a firearm, see 18 U.S.C. § 922(g)(1) (2011); robbery affecting commerce, see 18 U.S.C. § 1951(a) (Hobbs Act); conspiracy to commit Hobbs Act robbery, see id.; brandishing a firearm during a crime of violence, see 18 U.S.C. § 924(c); and conspiracy to brandish a firearm during a crime of violence, see 18 U.S.C. § 924(o). Jordan was also charged with possession of an unregistered sawed-off shotgun. See 18 U.S.C. § 5861(d). The indictment also charged aiding and abetting the felon-in-possession, Hobbs Act robbery, conspiracy, and brandishing-a-firearm offenses. See 18 U.S.C. § 2. Graham was charged in connection with all six robberies, and Jordan was in connection with the Shell, charged Burger King, and McDonald's robberies.

Appellants filed a number of pre-trial motions, including motions for severance under Rule 14 of the Federal Rules of Criminal Procedure and a motion to suppress the CSLI obtained from Sprint/Nextel on Fourth Amendment grounds. Jordan separately filed a motion to suppress evidence seized during the search of his apartment, arguing that the first search warrant

was defective. The district court denied all of Appellants' motions, and the case proceeded to trial.

During trial, Appellants objected to proposed testimony regarding CSLI from a Sprint/Nextel records custodian and from FBI agent who investigated the case, arguing that impermissible expert proposed testimony was opinion. district court disagreed and admitted the proposed testimony. Jordan also filed a motion in limine seeking to admit a handwritten statement purportedly written by Graham recorded telephone call in which Graham participated. The court denied the motion, excluded the handwritten statement as hearsay and unauthenticated, and excluded the phone call as irrelevant. The court also ordered that the scope of Jordan's testimony be irrelevant topics limited to exclude certain that potentially prejudicial to Graham.

At the close of the government's case, the government moved to dismiss the count of conspiracy to possess a firearm during a crime of violence. Graham and Jordan moved for judgment of acquittal as to all remaining counts for insufficiency of evidence under Rule 29(a) of the Federal Rules of Criminal Procedure. The court denied the defendants' Rule 29(a) motions, except with respect to the felon-in-possession count, which the court granted as to Jordan.

Jordan's defense case consisted of his own testimony as well as that of four character witnesses and a private investigator. Graham declined to testify and offered no evidence.

The parties rested on April 26, 2012, and delivered closing arguments the following day. On April 30, 2012, the jury returned guilty verdicts on all remaining counts. Graham and Jordan submitted motions for new trials, which the district court denied. This appeal followed.

D.

During the pendency of this appeal, prior to oral argument, this Court directed each party to file a supplemental brief addressing the U.S. Supreme Court's recent decision in Riley v. California, 134 S. Ct. 2473 (2014), and permitted Appellants to file a supplemental reply brief. Dkt. No. 135. Appellants filed their supplemental brief on July 18, 2014, Dkt. No. 138; the government filed its supplemental response brief on August 4, 2014, Dkt. No. 142; and Appellants filed a supplemental reply brief on August 8, 2014, Dkt. No. 144.

On August 21, 2014, the government filed a letter with the Court requesting permission to identify what it called "erroneous factual assertions" in Appellants' supplemental reply and seeking to rebut several assertions made in that brief. Dkt. No. 145. The next day, Appellants filed a motion to strike the

government's letter as a sur-reply, Dkt. No. 146, to which the government did not respond.

The government's submission is, in effect, a sur-reply brief in the form of a letter. This Court does not generally permit the filing of sur-reply briefs without first granting leave for such a filing. Moreover, the government's letter fails to make an adequate demonstration of the need for a sur-reply. Accordingly, we grant the motion to strike, deny the government's request, and do not consider the content of the government's letter in disposition of this appeal.

Ε.

Graham and Jordan present several issues on appeal, arguing that the district court erred in admitting the government's CSLI evidence and certain testimony of the case agent and the Sprint/Nextel records custodian regarding the CSLI. separately that the district court also committed argues constitutional error in restricting his testimony and erred in his motion, excluding the out-of-court severance statements attributed to Graham, and admitting evidence seized from his apartment. Jordan argues further that the evidence presented at trial was insufficient to support convictions for conspiracy, Hobbs Act robbery, or brandishing a firearm during a crime of violence. We consider these issues in turn.

II.

During the investigation of the robberies charged in this case, the government secured court orders under the SCA for 221 days' worth of historical CSLI from Sprint/Nextel. Appellants filed a motion to suppress use of the CSLI at trial, arguing that the government's acquisition of the records without a warrant based on probable cause was an unreasonable search in violation of the Fourth Amendment. The district court denied the motion, holding that the government's conduct was not unreasonable search and, even if it was, the good-faith exception to the exclusionary rule justified admission of the CSLI. See generally United States v. Graham, 846 F. Supp. 2d 384 (D. Md. 2012). The government ultimately used the CSLI at trial to establish Appellants' locations at various times before and after most of the charged robberies.

Appellants now appeal the denial of their motion to suppress. We review a district court's evidentiary rulings for abuse of discretion, <u>United States v. Rivera</u>, 412 F.3d 562, 566 (4th Cir. 2005), but we review de novo any legal conclusions as to whether certain law enforcement conduct infringes Fourth Amendment rights, <u>United States v. Breza</u>, 308 F.3d 430, 433 (4th Cir. 2002).

For the reasons explained below, we hold that the government's procurement of the historical CSLI at issue in this case was an unreasonable search. Notwithstanding that

conclusion, we affirm the district court's denial of the suppression motion because, in obtaining the records, the government acted in good-faith reliance on the SCA and the court orders issued under that statute.

Α.

Historical CSLI identifies cell sites, or "base stations," to and from which a cell phone has sent or received radio signals, and the particular points in time at which these transmissions occurred, over a given timeframe. Cell sites are placed at various locations throughout a service provider's coverage area and are often placed on towers with antennae arranged in sectors facing multiple directions to better facilitate radio transmissions. A cell phone connects to a service provider's cellular network through communications with cell sites, occurring whenever a call or text message is sent or received by the phone. 1 The phone will connect to the cell site with which it shares the strongest signal, which is typically the nearest cell site. The connecting cell site can change over the course of a single call as the phone travels through the coverage area. When the phone connects to the network, the

<sup>&</sup>lt;sup>1</sup> A "smartphone," a type of cell phone with a computer operating system, may communicate more frequently with the network than other types of cell phones through, for example, automatic updates to email inboxes and other operations of software applications installed on the phone.

service provider automatically captures and retains certain information about the communication, including identification of the specific cell site and sector through which the connection is made.

By identifying the nearest cell tower and sector, CSLI can be used to approximate the whereabouts of the cell phone at the particular points in time in which transmissions are made. The cell sites listed can be used to interpolate the path the cell phone, and the person carrying the phone, travelled during a given time period. The precision of this location data depends on the size of the identified cell sites' geographical coverage ranges. Cell sites in urban areas, which have the greatest density of cell sites, tend to have smaller radii of operability than those in rural areas. The cell sites identified in the CSLI at issue in this case covered areas with a maximum radius of two miles, each divided into three 120-degree sectors.

В.

The government obtained Appellants' CSLI through use of court orders issued under the SCA directing Sprint/Nextel to disclose the information. The SCA "provid[es] an avenue for law enforcement entities to compel a provider of electronic communication services to disclose the contents and records of electronic communications." In reapplication of U.S. for an Order Pursuant to 18 U.S.C. Section 2703(d) (In reapplication

(Fourth Circuit), 707 F.3d 283, 287 (4th Cir. 2013); see also 18 U.S.C. §§ 2701-2711 (2010). The statute outlines procedures a governmental entity must follow to procure information from a service provider, treating subscriber account records differently than the content of electronic communications.

United States v. Clenney, 631 F.3d 658, 666 (4th Cir. 2011) (citing 18 U.S.C. § 2703).

Absent subscriber notice and consent, the government must secure a warrant or a court order for subscription account records. 18 U.S.C. § 2703(c)(1). A warrant from a federal district court for the disclosure of subscriber records must be issued pursuant to the Federal Rules of Criminal Procedure, id. § 2703(c)(1)(A), which, in accordance with the Fourth Amendment, require a finding of probable cause by an impartial magistrate, Fed. R. Crim. P. 41(d); see also Payton v. New York, 445 U.S. 573, 588 n.26 (1980).

Section 2703(d) sets out the requirements for a court order for a service provider to disclose subscriber account records. The government must "offer[] specific and articulable facts showing that there are reasonable grounds to believe that . . . the records or other information sought[] are relevant and material to an ongoing criminal investigation." 18 U.S.C. § 2703(d). "This is essentially a reasonable suspicion standard[,]" In re Application (Fourth Circuit), 707 F.3d at

287, in contrast to the substantially higher probable cause standard for securing a warrant. The statute offers no express direction as to when the government should seek a warrant versus a § 2703(d) order.

The government obtained two § 2703(d) court orders for the CSLI at issue in this appeal. The first order directed Sprint/Nextel to disclose CSLI records for four time periods amounting to 14 days, and the second order directed disclosure of records for a much broader 221-day time period that included the previously ordered 14 days. Sprint/Nextel disclosed to the government the total 221 days' worth of CSLI for each Appellant's phone.

C.

Appellants argue that the government violated the Fourth Amendment in seeking and inspecting the CSLI at issue here without a warrant based on probable cause. We agree.

The Fourth Amendment protects individuals against unreasonable searches and seizures. Katz v. United States, 389 U.S. 347, 353 (1967). A "search" within the meaning of the Fourth Amendment occurs where the government invades a matter in which a person has an expectation of privacy that society is willing to recognize as reasonable. Kyllo v. United States, 533 U.S. 27, 33 (2001) (citing Katz, 389 U.S. at 361 (Harlan, J., concurring)). A person's expectation of privacy is considered

reasonable by societal standards when derived from "'concepts of real or personal property law or . . . understandings that are recognized and permitted by society.'" Minnesota v. Carter, 525 U.S. 83, 88 (1998) (quoting Rakas v. Illinois, 439 U.S. 128, 143 n.12 (1978)). Warrantless searches are, "as a general matter, . . . per se unreasonable under the Fourth Amendment," although "there are a few specifically established and well-delineated exceptions to that general rule." United States v. (Earl Whittley) Davis, 690 F.3d 226, 241-42 (4th Cir. 2012) (quoting City of Ontario, Cal. v. Quon, 560 U.S. 746, 760 (2010)) (internal quotation marks omitted).

We hold that the government conducts a search under the Fourth Amendment when it obtains and inspects a cell phone user's historical CSLI for an extended period of time. Examination of a person's historical CSLI can enable the government to trace the movements of the cell phone and its user across public and private spaces and thereby discover the private activities and personal habits of the user. Cell phone users have an objectively reasonable expectation of privacy in this information. Its inspection by the government, therefore,

requires a warrant, unless an established exception to the warrant requirement applies.<sup>2</sup>

1.

As an initial matter, we are not persuaded that, as the district court stated, Sprint/Nextel's privacy policy disproves Appellants' claim that they had an actual expectation in the privacy of their location and movements. The privacy policy in effect at the time Sprint/Nextel disclosed CSLI to the government stated as follows:

Information we collect when we provide you with Services includes when your wireless device is turned on, how your device is functioning, device signal strength, where it is located, what device you are using, what you have purchased with your device, how you are using it, and what sites you visit.

J.A. 957. First, the policy only states that Sprint/Nextel collects information about the phone's location - not that it discloses this information to the government or anyone else.

The en banc Eleventh Circuit recently held that, assuming government acquisition of CSLI through use of a § 2703(d) order is a Fourth Amendment search, such a search would be reasonable under the Fourth Amendment and not require a warrant. <u>United States v. (Quartavious) Davis</u>, 785 F.3d 498, 516-18 (11th Cir. 2015) (en banc). Section 2703(d) orders, as previously noted, do not require a showing of probable cause and do not fit within any of the "well delineated exceptions" to the general rule that a search requires a warrant based on probable cause. <u>Quon</u>, 560 U.S. at 760. We decline here to create a new exception to a rule so well established in the context of criminal investigations.

Second, studies have shown that users of electronic communications services often do not read or understand their providers' privacy policies.<sup>3</sup> There is no evidence that Appellants here read or understood the Sprint/Nextel policy.

2.

The Supreme Court has recognized an individual's privacy interests in comprehensive accounts of her movements, in her location, and in the location of her personal property in private spaces, particularly when such information is available only through technological means not in use by the general public.

a.

In <u>United States v. Knotts</u>, 460 U.S. 276 (1983), law enforcement officers used a combination of visual surveillance and monitoring of a radio transmitter installed in a container of chloroform to track the container's movements by automobile to the defendants' homes. 460 U.S. at 278-79. In holding that this practice did not infringe upon a reasonable expectation of

<sup>3</sup> See, e.g., Federal Trade Commission, Mobile Privacy Disclosures: Building Trust Through Transparency 10 (Feb. 2013), http://www.ftc.gov/sites/default/files/documents/reports/mobile-privacy-disclosures-building-trust-through-transparency-federal-trade-commission-staff-report/130201mobileprivacyreport.pdf (saved as ECF opinion attachment); Aleecia M. McDonald & Lorrie Faith Cranor, The Cost of Reading Privacy Policies, 4 I/S: J. L. & Pol'y Info. Soc'y 543, 544 (2008).

privacy, the Court emphasized the "limited" nature of the government's electronic surveillance effort, which was confined to tracking the container's movement on public roads from its place of purchase to its ultimate destination. Id. at 284. Although the government tracked the container to a defendant's private home, there was no indication that the officers continued to monitor the container inside the private space after its public journey had ended. Id. at 285; see also California v. Ciraolo, 476 U.S. 207, 213 (1986) ("The Fourth Amendment protection of the home has never been extended to require law enforcement officers to shield their eyes when passing by a home on public thoroughfares.").

Knotts left unanswered two questions critical to assessing the constitutionality of the government's conduct in the present case: (1) whether tracking the location of an individual and her property inside a private space constitutes a Fourth Amendment search; and (2) whether locational tracking of an individual and her property continuously over an extended period of time constitutes a search. Courts have answered each of these questions in the affirmative.

b.

United States v. Karo, 468 U.S. 705 (1984), addressed the first question. As in <u>Knotts</u>, government agents surreptitiously used a radio transmitter to track the movements of a chemical

container to a private residence, but here the agents continued to monitor the container while it was inside the residence. Karo, 468 U.S. at 709-10. The Court held that this practice "violate[d] the Fourth Amendment rights of those who have a justifiable interest in the privacy of the residence." Id. at 714. The government's monitoring of the beeper "reveal[ed] a critical fact about the interior of the premises . . . that [the government] could not have otherwise obtained without warrant": "that a particular article is actually located at a particular time in the private residence and is in the possession of the person or persons whose residence is being watched." Id. at 715. "Indiscriminate monitoring of property that has been withdrawn from public view would present far too serious a threat to privacy interests in the home to escape entirely some sort of Fourth Amendment oversight." Id. at 716 (footnote omitted).

In <u>Kyllo v. United States</u>, 533 U.S. 27 (2001), the Court again considered whether the use of technology to discover information hidden in a private home constituted a Fourth Amendment search. The government aimed a thermal imaging device at the petitioner's home from a public street to detect infrared radiation inside the home, which would allow it to identify the locations and movements of persons and certain objects inside.

<u>Id.</u> at 29-30. The Court held that "[w]here . . . the Government

uses a device that is not in general public use, to explore details of the home that would previously have been unknowable without physical intrusion, the surveillance is a 'search' and is presumptively unreasonable without a warrant." Id. at 40.

Like the searches challenged in <u>Karo</u> and <u>Kyllo</u>, examination of historical CSLI can allow the government to place an individual and her personal property - specifically, her cell phone - at the person's home and other private locations at specific points in time. "In the home, . . . <u>all</u> details are intimate details, because the entire area is held safe from prying government eyes." <u>Id.</u> at 37; <u>see also Karo</u>, 468 U.S. at 714 ("[P]rivate residences are places in which the individual normally expects privacy free of governmental intrusion not authorized by a warrant, and that expectation is plainly one that society is prepared to recognize as justifiable."). The <u>Karo</u> and <u>Kyllo</u> Courts recognized the location of a person and her property within a home at a particular time as a "critical" private detail protected from the government's intrusive use of technology. See Kyllo, 533 U.S. at 37; Karo, 468 U.S. at 715.

Inspection of long-term CSLI invades an even greater privacy interest than the search challenged in <u>Karo</u> because, unlike a cell phone, the tracking device in <u>Karo</u> was not carried on anyone's person and therefore was not capable of tracking the location of any individual. Additionally, the private location

information discovered in this case covered a remarkable 221 days, potentially placing each Appellant at home on several dozen specific occasions, far more than the single instances discovered in <u>Karo</u> and <u>Kyllo</u>. <u>See Kyllo</u>, 533 U.S. at 30; <u>Karo</u>, 468 U.S. at 709, 714.

c.

The Supreme Court considered long-term electronic location surveillance in <u>United States v. Jones</u>, 132 S. Ct. 945 (2012). In that case, the government, acting without a warrant, installed a Global Positioning System ("GPS") device on a suspect's vehicle to track the movements of the vehicle over a 28-day period. <u>Jones</u>, 132 S. Ct. at 948. The D.C. Circuit had decided that this practice was a search because (1) a reasonable individual would not expect that the sum of her movements over a month would be observed by a stranger in public, and (2) this information could reveal "an intimate picture" of her life not disclosed by any one of her movements viewed individually. <u>United States v. Maynard</u>, 615 F.3d 544, 561-64 (D.C. Cir. 2010), aff'd sub. nom. Jones, 132 S. Ct. 945.

The Supreme Court unanimously affirmed the D.C. Circuit without reaching full agreement as to the basis for this decision. See Jones, 132 S. Ct. at 954; id. at 964 (Alito, J., concurring in the judgment). The entire Court did agree however that Knotts had explicitly left unanswered the constitutionality

of "dragnet type law enforcement practices" like the form of "twenty-four hour surveillance" employed in Jones. Knotts, 460 U.S. at 283-84); see Jones, 132 S. Ct. at 952 n.6 (Scalia, J., writing for the majority); id. at 956 n.\* (Sotomayor, J., concurring); id. at 963 n.10 (Alito, J., concurring in the judgment). Justice Scalia's majority opinion, expressing the views of five Justices, held that the government's installation of the GPS device on the suspect's vehicle constituted a search under the traditional trespass-based theory of Fourth Amendment protection, bypassing the reasonable-expectation-of-privacy analysis established in Katz. See id. at 949-52. acknowledging that "[s]ituations involving merely transmission of electronic signals without trespass would remain subject to  $\underline{\mathtt{Katz}}$  analysis," Justice Scalia declined to address this question. Id. at 953; see also id. at 954 ("It may be that achieving the same result through electronic means, without an accompanying trespass, is an unconstitutional invasion privacy, but the present case does not require us to answer that question.").

In two concurring opinions, five Justices confronted the <a href="Matz">Katz</a> question and agreed that "longer term GPS monitoring in investigations of most offenses impinges on expectations of privacy." <a href="Id">Id</a>. at 955 (Sotomayor, J., concurring); <a href="id">id</a>. at 964 (Alito, J., concurring in the judgment). Justice Sotomayor

echoed the D.C. Circuit's concerns about the government's ability to record an individual's movements and aggregate the information "in a manner that enables the Government to ascertain, more or less at will," private facts about the individual, such as her "political and religious beliefs, sexual habits, and so on." Id. at 956. Neither concurrence indicated how long location surveillance could occur before triggering Fourth Amendment protection, but, considering the investigation challenged in Jones, Justice Alito stated that "the line was surely crossed before the 4-week mark." Id. at 964.

The privacy interests affected by long-term GPS monitoring, as identified in Maynard and the Jones concurrences, apply with equal or greater force to historical CSLI for an extended time period. See Commonwealth v. Augustine, 4 N.E.3d 846, 861 (Mass. 2014) ("CSLI implicates the same nature of privacy concerns as a GPS tracking device."). "[C]itizens of this country largely expect the freedom to move about in relative anonymity without the government keeping an individualized, turn-by-turn itinerary of our comings and goings." Renée McDonald Hutchins, Tied Up in Knotts? GPS Technology and the Fourth Amendment, 55 UCLA L. Rev. 409, 455 (2007). Much like long-term GPS monitoring, long-term location information disclosed in cell phone records can reveal both a comprehensive view and specific details of the individual's daily life. As the D.C. Circuit stated in Maynard,

"A person who knows all of another's travels can deduce whether he is a weekly church goer, a heavy drinker, a regular at the gym, an unfaithful husband, an outpatient receiving medical treatment, an associate of particular individuals or political groups - and not just one such fact about a person, but all such facts." 615 F.3d at 561-62; <a href="mailto:compare">compare</a> Jones, 132 S. Ct. at 955 (Sotomayor, J., concurring) ("GPS monitoring generates a precise, comprehensive record of a person's public movements that reflects a wealth of detail about her familial, political, professional, religious, and sexual associations."), <a href="mailto:with State">with State</a> <a href="mailto:with State">w. Earls</a>, 70 A.3d 630, 642 (N.J. 2013) ("[CSLI] can reveal not just where people go — which doctors, religious services, and stores they visit — but also the people and groups they choose to affiliate with and when they actually do so.").

Inspection of historical CSLI may provide even more private information about an individual than the locational monitoring challenged in <a href="Maynard/Jones">Maynard/Jones</a>. The surveillance at issue in that case was limited to movements of an automobile on public roads. <a href="See Jones">See Jones</a>, 132 S. Ct. at 948. Quite unlike an automobile, a cell phone is a small hand-held device that is often hidden on the person of its user and seldom leaves her presence. As previously discussed, cell phone users regularly carry these devices into their homes and other private spaces to which automobiles have

limited access at best. <u>See Augustine</u>, 4 N.E.3d at 861.<sup>4</sup> Thus, unlike GPS monitoring of a vehicle, examination of historical CSLI can permit the government to track a person's movements between public and private spaces, impacting at once her interests in both the privacy of her movements and the privacy of her home.<sup>5</sup>

Considering the multiple privacy interests at stake, it is not surprising that we are not the first court to recognize as objectively reasonable cell phone users' expectation of privacy in their long-term CSLI. See, e.g., Augustine, 4 N.E.3d at 865-

<sup>&</sup>lt;sup>4</sup> Cell phones are not subject to the "lesser expectation of privacy in a motor vehicle," which, as noted in <u>Knotts</u>, "has little capacity for escaping public scrutiny." 460 U.S. at 281 (quoting <u>Cardwell v. Lewis</u>, 417 U.S. 583, 590 (1974) (plurality)). Additionally, while a car "seldom serves . . . as the repository of personal effects[,]" <u>id.</u>, cell phones often provide access to substantial collections of private notes and records, hiding these personal effects from inspection even while themselves hidden from view in their owners' purses or pockets, <u>see Riley</u>, 134 S. Ct. at 2489-91.

<sup>5</sup> Indeed, a recent survey by the Pew Research Center revealed that 82% of adults feel that the details of their physical location revealed by cell phone GPS tracking is at least "somewhat sensitive," with half of adults considering this information "very sensitive." Pew Research Center, Public Perceptions of Privacy and Security in the Post-Snowden Era 34 (Nov. 12, 2014), http://www.pewinternet.org/files/2014/11/PI\_PublicPerceptionsofPrivacy\_111214.pdf (saved as ECF opinion attachment). This percentage rivals that of adults who consider their health information and the content of their phone conversations, emails, and text messages at least "somewhat sensitive" - 81%, 81%, 77%, and 75%, respectively. Id. at 32-34.

66 (reasonable expectation of privacy in location information shown in historical CSLI records); Earls, 70 A.3d at (reasonable expectation of privacy in location of cell phones); Tracey v. State, 152 So.3d 504, 526 (Fla. 2014) (objectively reasonable expectation of privacy in "location as signaled by one's cell phone"); In re Application of U.S. for an Order Authorizing Disclosure of Location Info. of a Specified Wireless Tel., 849 F. Supp. 2d 526, 539 (D. Md. 2011) ("reasonable expectation of privacy both in [subject's] location as revealed by real-time [CSLI] and in his movement where his location is subject to continuous tracking over an extended period of time, here thirty days"); In re Application of U.S. for an Order Authorizing the Release of Historical Cell-Site Info. (In re Application (E.D.N.Y.)), 809 F. Supp. 2d 113, 120 (E.D.N.Y. 2011) ("reasonable expectation of privacy in long-term cellsite-location records").6 Even the Supreme Court, in Riley,

<sup>&</sup>lt;sup>6</sup> As the dissenting opinion points out, a number of courts that have addressed the issue have not reached the same conclusion we reach today. Courts that have reached the opposite conclusion, like the dissent, have typically done so through application of the "third-party" doctrine as discussed in Part II.C.4 <u>infra</u>.

In <u>United States v. Skinner</u>, 690 F.3d 772 (6th Cir. 2012), the Sixth Circuit held that the defendant "did not have a reasonable expectation of privacy in the data given off by his voluntarily procured pay-as-you-go cell phone." 690 F.3d at 777. This case involved locational surveillance of two cell phones in real time over the course of a few days as the users (Continued)

specifically cited "[h]istoric location information" as among the heightened privacy concerns presented in government inspection of cell phones, as such information details the user's "specific movements down to the minute, not only around town but also within a particular building." 134 S. Ct. at 2490.7

Taken together, <u>Karo</u>, <u>Kyllo</u>, and the views expressed in <u>Riley</u> and the <u>Jones</u> concurrences support our conclusion that the government invades a reasonable expectation of privacy when it relies upon technology not in general use to discover the movements of an individual over an extended period of time. Cell phone tracking through inspection of CSLI is one such technology. It is possible that the CSLI for a particular cell

transported marijuana along public roads. <u>Id.</u> at 776. The Sixth Circuit determined that the case was governed by <u>Knotts</u>, <u>id.</u> at 777-78, and distinguished <u>Jones</u> based on the "comprehensiveness of the tracking" in that case, involving "'constant monitoring'" over the course of four weeks, <u>id.</u> at 780 (quoting <u>Jones</u>, 132 S. Ct. at 963 (Alito, J., concurring in the judgment)). The instant case is similarly distinguishable.

 $<sup>^7</sup>$  Some courts, including the district court in this case, as well as the dissent, have suggested that privacy interests in real-time or prospective location information are greater than those in historical location information, like that at issue in this case. See (Quartavious) Davis, 785 F.3d at 509 n.10; Graham, 846 F. Supp. 2d at 391. We see no constitutional distinction between the two types of data. A person's expectation of privacy in information about where she has been is no less reasonable, or less deserving of respect, than that regarding where she is or where she is going.

phone is not very revealing at all because, for instance, the phone has been turned off or it has made few or no connections to the cellular network. But the government cannot know in advance of obtaining this information how revealing it will be or whether it will detail the cell phone user's movements in private spaces. See Earls, 70 A.3d at 642. We hold, therefore, that the government engages in a Fourth Amendment search when it seeks to examine historical CSLI pertaining to an extended time period like 14 or 221 days.8

3.

district that this The court concluded distinguishable from Karo and Maynard/Jones because the type of locational surveillance at issue in those cases permits realtime tracking with greater precision and continuity than the examination of historical CSLI. See Graham, 846 F. Supp. 2d at 391-92, 404. The technology challenged use of GPS Maynard/Jones permitted law enforcement to track the suspect's vehicle continuously at every moment "'24 hours a day for 28 days[,]'" id. at 392 (quoting Maynard, 615 F.3d at 558), while,

<sup>&</sup>lt;sup>8</sup> This case does not require us to draw a bright line as to how long the time period for historical CSLI can be before its inspection rises to the level of a Fourth Amendment search, and we decline to do so.

here, the CSLI records only disclose a finite number of location data points for certain points in time.

This distinction is constitutionally insignificant. The Fourth Amendment challenge is directed toward the government's investigative conduct, i.e., its decision to seek and inspect CSLI records without a warrant. There is no way the government could have known before obtaining the CSLI records how granular the location data in the records would be. If Appellants had been in constant use of their phones as they moved about each waking day - constantly starting and terminating calls - then the government would have obtained a continuous stream of historical location information approaching that of GPS. A similar or greater degree of continuity would have been achieved if Appellants had smartphones that automatically connect to the nearest cell site every few minutes or seconds.

As it turns out, the CSLI records did reveal an impressive 29,659 location data points for Graham and 28,410 for Jordan, amounting to well over 100 data points for each Appellant per day on average. This quantum of data is substantial enough to provide a reasonably detailed account of Appellants' movements during the 221-day time period, including movements to and from the cell-site sectors in which their homes were located. We therefore reject the district court's suggestion that the CSLI

was not sufficiently continuous to raise reasonable privacy concerns.

The district court also questioned the precision of the location data itself, concluding that the CSLI did not identify sufficiently precise locations to invade a reasonable privacy expectation. Unlike GPS data, the court found, CSLI "can only reveal the general vicinity in which a cellular phone is used." Graham, 846 F. Supp. 2d at 392.

The precision of CSLI in identifying the location of a cell phone depends in part on the size of the coverage area associated with each cell-site sector listed in the records. Service providers have begun to increase network capacity and to fill gaps in network coverage by installing low-power cells such as "microcells" and "femtocells," which cover areas as small as 40 feet. The intense competition among cellular networks

<sup>&</sup>lt;sup>9</sup> Sprint/Nextel's custodian testified at trial that the cell sites listed in the records each had, at most, a two-mile radius of operability. Each cell site, therefore, covered no greater than approximately 12.6 square miles, divided into three sectors of approximately 4.2 square miles or less.

Topic #23 - Femtocells, http://www.fcc.gov/help/public-safety-tech-topic-23-femtocells; PR Newswire, Small Cells Market 2014-2019: Femtocell, Picocell, & Microcell Prospects for LTE, SONs, Wireless Offloading & Heterogeneous Networks (Nov. 6, 2014), http://www.prnewswire.com/news-releases/small-cells-market-2014-2019-femtocell-picocell--microcell-prospects-for-lte-sons-wireless-offloading--heterogeneous-networks-281857341.html; Nancy Gohring, Femtocells Make Way Into Enterprises, (Continued)

provides ample reason to anticipate increasing use of small cells and, as a result, CSLI of increasing precision. We must take such developments into account. See Kyllo, 533 U.S. at 36 ("While the technology used in the present case was relatively crude, the rule we adopt must take account of more sophisticated systems that are already in use or in development.").

In any event, the CSLI at issue here was precise enough, at minimum, to support reasonable inferences about Appellants' locations at specific points in time. Otherwise, the information would have lacked any probative value at trial. The very reason that the government obtained and introduced the evidence was to establish Appellants' locations during times surrounding the charged robberies. Investigators and prosecutors must have

ComputerWorld (May 7, 2011), http://www.computerworld.com/article/2550032/mobile-wireless/femtocells-make-way-into-enterprises.html.

other things, that Graham was within a few miles of the Dollar Tree before and after the robbery of January 17, 2011; Graham was within a few miles of the 7-Eleven before and after the robbery of January 22, 2011; minutes after the robbery of Shell on February 1, 2011, Jordan was near the Shell and then both he and Graham were near Jordan's apartment; Appellants were both near Jordan's apartment approximately 45 minutes before robbery of Burger King on February 5, 2011; Graham was near the Burger King within minutes of the robbery; Appellants were together a few miles north of the Burger King minutes after the robbery; and Graham was near the McDonald's approximately one half hour before the McDonald's robbery.

believed, after analyzing the CSLI, that it was sufficiently precise to establish Appellants' whereabouts. The fact that inference was required to glean Appellants' past locations from the CSLI does not ameliorate or lessen in any manner the invasion of privacy. Indeed, the Supreme Court, in Kyllo, specifically rejected "the novel proposition that inference insulates a search . . . " Id. at 36 (citing Karo, 468 U.S. 705). We therefore reject the government's argument that the CSLI was not adequately precise to infringe upon Appellants' expectations of privacy in their locations and movements.

4.

We also disagree with the district court's and the dissent's conclusion that Appellants lacked a reasonable expectation of privacy in their CSLI because the CSLI records were kept by Sprint/Nextel in the ordinary course of business.

See Graham, 846 F. Supp. 2d at 403; post at 111.

The dissent argues first that "[t]he nature of the governmental activity" at issue in this case sets it apart from <a href="Maro">Karo</a>, <a href="Kyllo">Kyllo</a>, and <a href="Jones">Jones</a>. <a href="Post">Post</a> at 108-09. While <a href="Karo">Karo</a>, <a href="Kyllo">Kyllo</a>, and <a href="Jones">Jones</a> each involved direct and contemporaneous surveillance by government agents, the locational tracking challenged here was achieved through government inspection of records held by a third party.

This distinction is inconsequential. The precedents of this Court and others show that a Fourth Amendment search may certainly be achieved through an inspection of third-party records. See, e.g., Doe v. Broderick, 225 F.3d 440, 450-52 (4th Cir. 2000) (holding that detective's examination of a patient file held by a methadone clinic was a search and, without probable cause, violated the patient's Fourth Amendment rights); DeMassa v. Nunez, 770 F.2d 1505, 1508 (9th Cir. 1985) (holding that "an attorney's clients have a legitimate expectation of privacy in their client files"); cf. Ferguson v. City of Charleston, 532 U.S. 67, 78 (2001) (holding that patients enjoy a reasonable expectation of privacy that the results of diagnostic tests will not be disclosed to law enforcement without the patient's consent). 12 That the government acquired

<sup>12</sup> In the sense most crucial to a proper Fourth Amendment analysis, "[t]he nature of the governmental activity" challenged in this case, post at 108-09, was not unlike that challenged in Karo, Kyllo, and Jones. The dissent's language is apparently drawn from Smith v. Maryland, 442 U.S. 735 (1979), where the Court deemed it important to identify "the nature of the state activity that is challenged" in order to determine the precise nature of Smith's Fourth Amendment claim. 442 U.S. at 741. Specifically, this initial inquiry was made in order to determine whether Smith could claim an invasion of his property or intrusion into a constitutionally protected area, under the traditional trespass-based theory of Fourth Amendment protection. Because the challenged governmental activity was the installation of a pen register "on telephone company property at the telephone company's central offices," Smith could make no Id. Instead, Smith claimed an invasion of legitimate expectation of privacy in the numbers he dialed, (Continued)

Appellants' private information through an inspection of thirdparty records cannot dispose of their Fourth Amendment claim.

Yet the dissent seizes upon the fact that the government obtained Appellants' CSLI from a third-party cell service provider and maintains that we have placed our focus on the wrong question. Instead of assessing the reasonableness of Appellants' expectation of privacy in their "location and movements over time," our dissenting colleague would frame the question as "whether an individual has a reasonable expectation

which the government obtained through use of the pen register. Id. at 742.

In this sense, the nature of the governmental activity challenged in this case is not unlike the activities challenged in Karo, Kyllo, and Jones. In Karo and Kyllo, the nature of the challenged governmental activity was the use of technology to acquire certain private information rather than the physical invasion of constitutionally protected property or spaces. See 468 U.S. at 714; Kyllo, 533 U.S. at 34-35. governmental activity challenged in Jones was of both sorts: installation of a GPS tracking device effected through a trespass onto Jones' property, and use of the device to obtain information about Jones' location and movements over an extended period of time. As previously noted, the majority confined its analysis to the trespass without considering the nature of the information the government subsequently acquired. 132 S. Ct. at 949-54. In the concurrences, five Justices focused on the government's acquisition of location information and whether this conduct invaded a legitimate expectation of privacy. Because the challenged activity in the present case, like those considered in Karo, Kyllo, and the Jones concurrences, is the government's non-trespassory acquisition of certain information, our inquiry is properly focused on the legitimacy of Appellants' expectation of privacy in this information.

of privacy in a third party's records that permit the government to deduce this information." Post at 109. But even the analyses in the cases upon which the dissent relies focused foremost on whether, under Katz, the privacy expectations asserted for certain information obtained by the government were legitimate. See United States v. Miller, 425 U.S. 435, 442 (1976) ("We must examine the nature of the particular documents sought to be protected in order to determine whether there is a legitimate 'expectation of privacy' concerning their contents." (emphasis added)); Smith v. Maryland, 442 U.S. 735, 742 (1979)("[P]etitioner's argument that [the] installation and use [of a pen register] constituted a 'search' necessarily rests upon a claim that he had a 'legitimate expectation of privacy' regarding the numbers he dialed on his phone." (emphasis added)). In answering that question, the fact information at issue in Miller and Smith was contained in records held by third parties became relevant only insofar as the defendant in each case had "voluntarily conveyed" the information to the third party in the first place. See Miller, 425 U.S. at 442; Smith, 442 U.S. at 743-44.

It is clear to us, as explained below, that cell phone users do not voluntarily convey their CSLI to their service providers. The third-party doctrine of <u>Miller</u> and <u>Smith</u> is therefore inapplicable here.

The Supreme Court held in <u>Miller</u> and <u>Smith</u> that "a person has no legitimate expectation of privacy in information he voluntarily turns over to third parties." <u>Smith</u>, 442 U.S. at 743-44; <u>see also Miller</u>, 425 U.S. at 442. This is so even if "the information is revealed on the assumption that it will be used only for a limited purpose and the confidence placed in the third party will not be betrayed." Miller, 425 U.S. at 443.<sup>13</sup>

Miller, the government used defective subpoenas obtain financial records from the defendant's bank. 425 U.S. at 436. The Court determined first that the defendant could not claim an unconstitutional invasion of his "private papers" ownership nor possession because he had neither the 440-41 transactional records at issue. Id. at (citation omitted). Next, the Court turned to the defendant's claim that the government violated his privacy interests in the contents of

This "third-party" doctrine finds its roots in cases involving consensual disclosures to informants or undercover government agents. See United States v. White, 401 U.S. 745, 751-752 (1971); Hoffa v. United States, 385 U.S. 293, 302-303 (1966); Lopez v. United States, 373 U.S. 427, 439 (1963). White, Hoffa, Lopez, and similar cases generally establish that a person who confides information about her illegal activities in another bears the risk that this information will be reported to law enforcement, see White, 401 U.S. at 752, and introduced as evidence against her, see Lopez, 373 U.S. at 439. Any expectation she holds that this information will be held in confidence is not one entitled to Fourth Amendment protection. See White, 401 U.S. at 749; Hoffa, 385 U.S. at 301.

the bank records. <u>Id.</u> at 442. Because such documents "contain only information voluntarily conveyed to the banks and exposed to their employees in the ordinary course of business," the Court held that the depositor lacks "any legitimate expectation of privacy" in this information. <u>Id.</u> at 442. "[I]n revealing his affairs to another," the defendant assumed the risk "that the information [would] be conveyed by that person to the Government." Id. at 443.

In <u>Smith</u>, a telephone company, at the request of police, utilized a pen register device to record the numbers dialed from the home phone of Michael Lee Smith, a man suspected of robbing a woman and then harassing her through anonymous phone calls. 442 U.S. at 737. Smith argued that the warrantless installation of the pen register was an unreasonable search. <u>Id.</u> at 737-38. The Court determined, first, that people generally understand that they must communicate the numbers they dial to the phone company and that the company has facilities for recording and storing this information permanently. <u>Id.</u> at 742. Even if Smith had an actual expectation of privacy in the numbers he dialed, this would not be a "legitimate" expectation because he "voluntarily conveyed" the numerical information to the phone company and "exposed" the information to the company's recording and storage equipment. Id. at 744. In so doing, Smith

"assumed the risk" that the company would disclose this information to law enforcement. Id.

We recently applied the third-party doctrine of Miller and Smith in United States v. Bynum, 604 F.3d 161 (4th Cir. 2010), where the government served administrative subpoenas on a website operator to obtain a user's account information. 604 F.3d at 162. Specifically, the government obtained the user's name, email address, telephone number, and physical address, id. at 164, all information that the user entered on the website when he opened his account, id. at 162. Citing Smith, we determined that, in "voluntarily convey[ing] all information" to the Internet company, the user "'assumed the risk'" that this information would be revealed to law enforcement. Id. at 164 (quoting Smith, 442 U.S. at 744). The user, therefore, could not show that he had either an actual or an objectively reasonable expectation of privacy in this information. Id.

These precedents do not categorically exclude third-party records from Fourth Amendment protection. They simply hold that a person can claim no legitimate expectation of privacy in information she voluntarily conveys to a third party. It is that voluntary conveyance - not the mere fact that the information winds up in the third party's records - that demonstrates an assumption of risk of disclosure and therefore the lack of any

reasonable expectation of privacy. We decline to apply the third-party doctrine in the present case because a cell phone user does not "convey" CSLI to her service provider at all -voluntarily or otherwise - and therefore does not assume any risk of disclosure to law enforcement. 14

The service provider automatically generates CSLI in response to connections made between the cell phone and the provider's network, with and without the user's active participation. See Augustine, 4 N.E.3d at 862 ("CSLI is purely a function and product of cellular telephone technology, created by the provider's system network at the time that a cellular telephone call connects to a cell site."); id. at 863

At the outset of its argument that the third-party doctrine applies here, the dissent insists that Appellants "exposed" their CSLI to their service provider and therefore assumed the risk of disclosure to law enforcement. Post at 111. This "exposure" language is derived from Miller and Smith, but it is clear in each of those cases that any "exposure" of the at issue the third information to party's employees facilities occurred only through the defendant's voluntary conveyance of that information to the third party. See Miller, 425 U.S. at 442 (noting that the financial information at issue had been "voluntarily conveyed to the banks and exposed to their employees in the ordinary course of business" (emphasis added)); Smith, 442 U.S. at 744 ("When he used his phone, petitioner voluntarily conveyed numerical information to the telephone company and 'exposed' that information to its equipment in the ordinary course of business." (emphasis added)). The dissent goes on to argue that Appellants did indeed voluntarily convey the wealth of cell site location data points at issue here to their service provider by choosing generally to operate and carry their phones. We reject this contention.

(describing CSLI as "location-identifying by-product" of cell phone technology). "Unlike the bank records in Miller or the phone numbers dialed in Smith, cell-site data is neither tangible nor visible to a cell phone user." In re Application of U.S. for Historical Cell Site Data, 747 F. Supp. 2d 827, 844 (S.D. Tex. 2010), vacated, 724 F.3d 600 (5th Cir. 2013). A user is not required to actively submit any location-identifying information when making a call or sending a message. Such information is rather "quietly and automatically calculated by the network, without unusual or overt intervention that might be detected by the target user." Id. at 833. We cannot impute to a cell phone user the risk that information about her location created by her service provider will be disclosed to law enforcement when she herself has not actively disclosed this information.

Notably, the CSLI at issue in this appeal details location information not only for those transmissions in which Appellants actively participated - i.e., messages or calls they made or answered - but also for messages and calls their phones received but they did not answer. When a cell phone receives a call or message and the user does not respond, the phone's location is identified without any affirmative act by its user at all - much less, "voluntary conveyance." See In re Application of U.S. for an Order Directing a Provider of Electronic Communication

Service to Disclose Records to the Government (In re Application (Third Circuit)), 620 F.3d 304, 317 (3d Cir. 2010) ("[W]hen a cell phone user receives a call, he hasn't voluntarily exposed anything at all."). We conclude, in agreement with the analysis of the Third Circuit in In re Application (Third Circuit) and that of several state supreme courts, that the third-party doctrine of Smith and Miller does not apply to CSLI generated by cell phone service providers. See id.; Augustine, 4 N.E.3d at 862-63; Tracey, 152 So.3d at 525; see also Earls, 70 A.3d at 641-42 (categorically rejecting third-party doctrine).

b.

The Fifth Circuit, in <u>In re Application of U.S. for Historical Cell Site Data</u> (<u>In re Application (Fifth Circuit)</u>), 724 F.3d 600 (5th Cir. 2013), and the en banc Eleventh Circuit in <u>United States v. (Quartavious) Davis</u>, 785 F.3d 498 (11th Cir. 2015), have reached the opposite conclusion. While acknowledging that the cell phone user "does not directly inform his service provider of the location of the nearest cell phone tower[,]" the Fifth Circuit decided that users voluntarily convey CSLI to their service providers through general use of their cell phones. In re Application (Fifth Circuit), 724 F.3d at 614. 15 In

 $<sup>^{15}</sup>$  In <u>United States v. Guerrero</u>, 768 F.3d 351 (5th Cir. 2014), the Fifth Circuit reaffirmed its holding in <u>In re</u> (Continued)

reaching this conclusion, the court relied on the proposition, advanced by the government, that "users know that they convey information about their location to their service providers when they make a call." <u>Id.</u> at 612. The Eleventh Circuit followed suit, suggesting that because users are generally aware that their calls are connected through cell towers, their use of their phones amounts to voluntary conveyance of "their general location within that cell tower's range[.]" (Quartavious) Davis, 785 F.3d at 511.

We cannot accept the proposition that cell phone users volunteer to convey their location information simply by choosing to activate and use their cell phones and to carry the devices on their person. Cell phone use is not only ubiquitous in our society today but, at least for an increasing portion of our society, it has become essential to full cultural and economic participation. See Quon, 560 U.S. at 760 ("Cell phone and text message communications are so pervasive that some persons may consider them to be essential means or necessary instruments for self-expression, even self-identification."); Riley, 134 S. Ct. at 2484 ("[M]odern cell phones . . . are now such a pervasive and insistent part of daily life that the

<sup>&</sup>lt;u>Application (Fifth Circuit)</u> in affirming denial of a motion to suppress CSLI evidence. See 768 F.3d at 358-61.

proverbial visitor from Mars might conclude they were an important feature of human anatomy."). People cannot be deemed to have volunteered to forfeit expectations of privacy by simply seeking active participation in society through use of their cell phones. "The fiction that the vast majority of the American population consents to warrantless government access to the records of a significant share of their movements by 'choosing' to carry a cell phone must be rejected." In re Application (E.D.N.Y.), 809 F. Supp. 2d at 127, quoted in Tracey, 152 So.3d at 523.16

<sup>16</sup> The dissent points out that similar arguments were made dissenting opinions in Miller and Smith and ultimately rejected by the Court. We do not doubt that the financial services implicated in Miller or the telephone implicated in Smith were any less crucial to social and economic participation than cell phone service has become. But determination in each of those cases that the defendant had assumed the risk of disclosure to law enforcement did not rely upon the defendant's general choice to avail himself of these services. The assumption of risk was based on voluntary acts by which the defendant conveyed specific information to a third party while using these services. Smith, for instance, actively and voluntarily turned specific numbers over to his phone company, and was surely aware of what numbers he was turning over, when he placed specific calls. See Smith, 442 U.S. at 742. claim no legitimate even conceded that he could expectation of privacy in the same numbers had he placed the calls through a live operator. Id. at 744. Similarly here, we do not believe that Appellants could claim a legitimate privacy expectation had they specifically identified their location or the closest cell tower to their service provider each time a transmission was made to or from their cell phones.

Users' understanding of how cellular networks generally function is beside the point. The more pertinent question is whether users are generally aware of what specific cell sites are utilized when their phones connect to a cellular network. After all, it is the specificity with which CSLI identifies cell sites that allows users' location to be tracked and raises privacy concerns. We have no reason to suppose that users generally know what cell sites transmit their communications or where those cell sites are located. A cell phone user cannot be said to "voluntarily convey" to her service provider information that she never held but was instead generated by the service provider itself without the user's involvement.<sup>17</sup>

Both the Fifth and Eleventh Circuits emphasized that service providers maintain CSLI records for their own business purposes rather than for law enforcement purposes and on this basis concluded that a subscriber can have no legitimate privacy

<sup>&</sup>lt;sup>17</sup> In (Quartavious) Davis, the Eleventh Circuit pointed out that the pen register information at issue in Smith had the effect of disclosing precise information about the phone user's location. 724 F.3d at 511-12. Pen register information could be used to place the phone user at a specific address at a specific time "because the phone lines at issue in Smith corresponded to stationary landlines at known physical addresses." Id. location information at issue in the present case is not "stationary" but permits tracking of a person's movements across private and public spaces. In this way, CSLI raises greater locational privacy concerns than any location information revealed through use of a stationary landline. See Karo, 468 U.S. at 715.

expectation in the information these records contain. See In re Application (Fifth Circuit), 724 F.3d at 611-12; (Quartavious) Davis, 785 F.3d at 511-12. CSLI records are, however, wholly unlike business records such as "credit card statements, bank statements, hotel bills, purchase orders, and billing invoices," which the government "routinely" obtains from third-party businesses by subpoena. Id. at 506. These sorts of business records merely capture voluntary commercial transactions to which the business and its individual client or customer are parties. See Miller, 425 U.S. at 442. CSLI, on the other hand, records transmissions of radio signals in which the cell phone service subscriber may or may not be an active and voluntary participant.

We agree with our sister circuits that a service provider's business interest in maintaining CSLI records is a relevant consideration in determining whether a subscriber can have a legitimate expectation of privacy in this information. But it is not the only consideration. Courts consider not only such "concepts of real or personal property law" in making this determination but also "'understandings that are recognized and permitted by society.'" <a href="Carter">Carter</a>, 525 U.S. at 88 (citation omitted). As we have explained, society recognizes an individual's privacy interest in her movements over an extended time period as well as her movements in private spaces. The fact

that a provider captures this information in its account records, without the subscriber's involvement, does extinguish the subscriber's reasonable expectation of privacy. Applying the third-party doctrine in this context would simply permit the government to convert an individual's cell phone into a tracking device by examining the massive bank of location information retained by her service provider, and to do so without probable cause. See David Gray & Danielle Citron, The Right to Quantitative Privacy, 98 Minn. L. Rev. 62, 140 (2013) ("If the government lacks legal authority to install and monitor a GPS-enabled tracking device, then it can get information by securing locational data from OnStar, Lojac, a cellular phone provider, or any number of 'apps' that gather and use locational information as part of their services." (emphasis added)).

This is not a case like Hoffa, where a person assumes the risk that an associate or confidante will disclose her communications to law enforcement, see 385 U.S. at 302-03; nor is this a case like Miller, where a person assumes the risk that bank will disclose her financial transactions the government, see 425 U.S. at 443. Cell phone users do not actively or knowingly communicate or "trade" their location information to their service providers of as part the consideration for the services provided, to say nothing of the documentation of such information in reproducible formats. That this information winds up in the provider's hands as a consequence of how cellular networks function does not and should not affect cell phone users' reasonable expectations of privacy in this information or society's respect for that expectation.

c.

Courts have recognized that not all private information entrusted to third-party providers of communications services is subject to warrantless government inspection. As far back as 1877, the Supreme Court recognized Fourth Amendment protection against warrantless inspection of the contents of mail entrusted to the postal service for delivery. Ex parte Jackson, 96 U.S. 727, 733 (1877). In so holding, the Court recognized a distinction between, on one hand, protected matter "intended to be kept free from inspection, such as letters[] and sealed packages[,]" and, on the other hand, unprotected matter "purposefully left in a condition to be examined" as well as the "outward form and weight" of sealed articles. Id.

The Court continued to recognize this distinction 90 years later in <a href="Matz">Katz</a>: "What a person knowingly exposes to the public, even in his own home or office, is not a subject of Fourth Amendment protection. . . . But what he seeks to preserve as private, even in an area accessible to the public, may be

constitutionally protected." 389 U.S. at 351-52 (citations omitted). Katz involved a Fourth Amendment challenge to use of an electronic recording device attached to the outside of a public phone booth that recorded the petitioner's side of a phone conversation. Id. at 348-49. Applying the principle that the Fourth Amendment protects that which a person "seeks to preserve as private," id. at 351, the Court held that "[o]ne who occupies [a public phone booth], shuts the door behind him, and pays the toll that permits him to place a call is surely entitled to assume that the words he utters into the mouthpiece will not be broadcast to the world[,]" id. at 352. Although shutting the door to the phone booth proved inadequate to prevent the petitioner's private words from being overheard, and indeed would have been inadequate to prevent monitoring by the phone company, the petitioner demonstrated an expectation of privacy society would accept as reasonable. See Smith, 442 U.S. at 746-47 (Stewart, J., dissenting); <u>Katz</u>, 389 U.S. at 361 (Harlan, J., concurring).

In the current digital age, courts continue to accord Fourth Amendment protection to information entrusted to communications intermediaries but intended to remain private and free from inspection. Courts have, for example, deemed government inspection of the contents of emails a Fourth Amendment search but have declined to do the same for email

address information used to transmit emails. <u>Compare United States v. Warshak</u>, 631 F.3d 266, 287-88 (6th Cir. 2010) (holding that email subscribers enjoy a reasonable expectation of privacy in the content of their emails even though such content is accessible to Internet service providers), <u>with United States v. Forrester</u>, 512 F.3d 500, 510 (9th Cir. 2008) (holding that government surveillance of a computer to discover email address information, IP addresses, and amount of data transmitted by email does not constitute a Fourth Amendment search).

The dissent argues essentially that, like the forms of address information at issue in <u>Forrester</u>, CSLI is simply information that facilitates the routing of communications rather than protected content, and on this basis distinguishes cases like <u>Warshak</u>. <u>Post</u> at 124. CSLI is of course more than simple routing information; it tracks a cell phone user's location across specific points in time. <sup>18</sup> And as previously

<sup>18</sup> The dissent argues that types of information deemed unworthy of Fourth Amendment protection "'track[]' some form of activity when aggregated over time." Post at 125. To be sure, we do not hold that a person may claim Fourth Amendment protection for records of just any type of information that happens to disclose a location, i.e., her location when she deposits an article of mail or engages in a credit card transaction. We do hold that a person may claim protection for her long-term CSLI because this information may track practically all of the movements a person makes over an extended period of time. This feature sets CSLI apart from the various sorts of address and routing information cited in the dissent.

noted, cell phone users generally consider their location information no less sensitive than the contents of emails and phone calls. 19 Like a user of web-based email who intends to maintain the privacy of her messages, however, there is nothing the typical cell phone user can do to hide information about her location from her service provider. 20 In the absence of any evidence that Appellants or cell phone users generally intend for their location information to be open to inspection by others, we cannot treat the fact that CSLI is used to route communications and is recorded by intermediaries as dispositive of Appellants' claim of Fourth Amendment protection for this information.

d.

Our review of well settled Fourth Amendment jurisprudence teaches us that, even as technology evolves, protections against government intrusion should remain consistent with those privacy expectations society deems reasonable. See, e.g., United States

<sup>19</sup> See supra note 4.

<sup>&</sup>lt;sup>20</sup> It seems that, here, Appellants took what little action was possible that might have concealed their personal location information from their service provider. Graham's service was subscribed in his wife's name, and Jordan used an alias or proxy on his account, although the record does not indicate that these actions were taken specifically to protect Appellants' privacy interests.

v. U.S. Dist. Court for E. Dist. of Mich., S. Div., 407 U.S. (1972) ("There is, understandably, a deep-seated 297, 312 uneasiness and apprehension that [government's capability for electronic surveillance] will be used to intrude upon cherished privacy of law-abiding citizens."); Berger v. State of N.Y., 388 U.S. 41, 62 (1967) ("'[T]he fantastic advances in the field of electronic communication constitute a great danger to the privacy of the individual; . . . indiscriminate use of such devices in law enforcement raises grave constitutional questions under the Fourth and Fifth Amendments . . . . '") (quoting Lopez, 373 U.S. at 1389 (Warren, C.J., concurring in the result)). That is not to say that societal expectations of privacy cannot change over time, but the advent of new technology alone - even major technological advances - is not a sufficient basis upon which to infer an equally dramatic shift in people's privacy expectations.<sup>21</sup>

(Continued)

<sup>21</sup> In <u>Smith</u>, for instance, the Supreme Court rejected the notion that different constitutional rules should apply to different technological means of engaging in the same form of communication, lest "a crazy quilt" be made of the Fourth Amendment. 442 U.S. at 745. Just as a caller could claim no legitimate expectation of privacy in telephone connections made personally by an operator, Smith could claim no privacy expectation in numbers he dialed to connect his calls through the phone company's automatic switching equipment. <u>Id.</u> at 744. Smith, in this way, reflects the principle that the use of new technology to hide from view what would otherwise be exposed cannot by itself expand Fourth Amendment rights where none would otherwise exist.

It turns out that the proliferation of cellular networks has left service providers with a continuing stream of increasingly precise information about the locations and movements of network users. Prior to this development, people generally had no cause for concern that their movements could be tracked to this extent. That new technology has happened to generate and permit retention of this information cannot by itself displace our reasonable privacy expectations; nor can it justify inspection of this information by the government in the absence of judicially determined probable cause.

Courts and commentators have for years begun to acknowledge the increasing tension, wrought by our technological age, between the third-party doctrine and the primacy Fourth Amendment doctrine grants our society's expectations of privacy.

natural corollary to this principle is technological advance alone cannot constrict Fourth Amendment protection for private matters that would otherwise be hidden or inaccessible. Confronting the question of "what limits there are upon [the] power of technology to shrink the realm of guaranteed privacy" in Kyllo, 533 U.S. at 34, Justice Scalia concluded for the majority that the use of new technology "to explore details of the home that would previously have been unknowable without physical intrusion" constitutes a search, id. at 40. "This that degree of privacy against preservation of government that existed when the Fourth Amendment was adopted." Id. at 34. As one prominent commentator explained, the Fourth Amendment not only "permit[s] access to that which technology hides" but also "protect[s] that which technology exposes." Orin S. Kerr, The Case for the Third-Party Doctrine, 107 Mich. L. Rev. 561, 580 (2009).

In her concurring opinion in <u>Jones</u>, Justice Sotomayor declared the assumption that people lack reasonable privacy expectations in information held by third parties "ill suited to the digital age, in which people reveal a great deal of information about themselves to third parties in the course of carrying out mundane tasks." <u>Jones</u>, 132 S. Ct. at 957 (Sotomayor, J., concurring).

It is concerning that now, during a time and context in which the viability of the third-party doctrine, "the Lochner of search and seizure law," Orin S. Kerr, The Case for the Third-Party Doctrine, 107 Mich. L. Rev. 561, 563 (2009) omitted), has never been in graver doubt, the dissent's treatment of the doctrine would expand it into a full-on exception to the legitimate-expectation-of-privacy inquiry. Post at 133. Our dissenting colleague reads into Miller and Smith a rule that would preclude virtually any Fourth Amendment challenge against government inspection of third-party records. But just a few years ago, writing for the Court in Bynum, our dissenting colleague rightly declared that the question of whether an individual has a reasonable expectation of privacy in a matter searched is "[t]he 'touchstone' of Fourth Amendment analysis[.]" 604 F.3d 164 (citation omitted). Contrary to her current views, the third-party doctrine was not devised to sidestep this question; rather, the doctrine aids the court

precisely in deciding whether certain privacy expectations are reasonable by societal standards. See Smith, 442 U.S. at 743-44; Bynum, 604 F.3d at 164; (Quartavious) Davis, 785 F.3d at 527 (Rosenbaum, J., concurring) ("Supreme Court precedent fairly may be read to suggest that the third-party doctrine must be subordinate to expectations of privacy that society has historically recognized as reasonable."). Smith and Miller do not endorse blind application of the doctrine in cases where information in which there are clearly reasonable privacy expectations is generated and recorded by a third party through an accident of technology. The third-party doctrine is intended to delimit Fourth Amendment protections where privacy claims are not reasonable - not to diminish Fourth Amendment protections where new technology provides new means for acquiring private information. See Orin S. Kerr, An Equilibrium-Adjustment Theory of the Fourth Amendment, 125 Harv. L. Rev. 476, 527 (2011) ("[I]f a new technology permits the government to information that it previously could not access without a warrant, using techniques not regulated under preexisting rules that predate that technology, the effect will be that the Fourth Amendment matters less and less over time.").

\* \* \* \* \*

For these reasons, we decline to apply the third-party doctrine here and hold that Appellants have a reasonable

expectation of privacy in their long-term CSLI.<sup>22</sup> Specifically, we conclude that the government's procurement and inspection of Appellants' historical CSLI was a search, and the government violated Appellants' Fourth Amendment rights by engaging in this search without first securing a judicial warrant based on probable cause.<sup>23</sup> If the Twenty-First Century Fourth Amendment is to be a shrunken one, as the dissent proposes, we should

Echoing the sentiments of the Fifth and Eleventh Circuits, the dissent suggests that any privacy concerns raised by the government's warrantless acquisition of CSLI should be presented to Congress and addressed legislatively, rather than to the courts for constitutional protection. Post at 131-33. We think the same argument might be made in any case in which a new technological means or investigative practice is employed to obtain personal information and the court must decide the Katz question. In each of these cases, the court is tasked with making an assessment of what privacy interests society might deem reasonable. This is a task for which one might argue the legislative branch is suited, but one that is, as a matter of constitutional interpretation, nonetheless imposed upon courts. See Marbury v. Madison, 5 U.S. (1 Cranch) 137, 177 (1803) ("It is emphatically the province and duty of the judicial department to say what the law is.").

<sup>&</sup>lt;sup>23</sup> Moving beyond her theoretical objections to our holding, dissenting colleague declares the holding "bizarre in practice," citing the fact that the cell service records admitted in this case included not just CSLI but information we have not deemed Fourth Amendment protected. Post at 126. The § 2703(d) orders in this case specifically requested the CSLI associated with Appellants' cell service accounts. After today's holding, the government will need to secure a warrant for this information. This requirement would not affect whether, in response to such a warrant, the service provider produces records that include information for which a warrant is not specifically required. It is unclear to us what makes this practice "bizarre."

leave that solemn task to our superiors in the majestic building on First Street and not presume to complete the task ourselves.

D.

Although we conclude that the government violated Appellants' Fourth Amendment rights in procuring their CSLI without a warrant based on probable cause, the records were not subject to suppression because the government acted in goodfaith reliance on court orders issued under the SCA.

"The exclusionary rule 'generally prohibits the introduction at criminal trial of evidence obtained in violation of a defendant's Fourth Amendment rights[.]'" United States v. Stephens, 764 F.3d 327, 335 (4th Cir. 2014) (quoting Pa. Bd. of Prob. & Parole v. Scott, 524 U.S. 357, 359 (1998)). But our system of justice and society at large incur "'heavy costs'" when courts are required to disregard reliable evidence, "'suppress the truth'" about criminal conduct, and release to the community a criminal who might otherwise be subject to imprisonment. Id. (quoting (Willie Gene) Davis v. United States, 131 S. Ct. 2419, 2427 (2011)). Considering that the "sole purpose" of the exclusionary rule "is to deter future Fourth Amendment violations[,]" (Willie Gene) Davis, 131 S. Ct. 2426, courts apply the rule to exclude evidence only where the benefits of deterrence outweigh the costs of suppression, id. at 2427.

In assessing the deterrent value of suppression, our focus is properly placed on culpable police conduct and not on the actions of legislators and judicial officers. <a href="Id.">Id.</a> at 2432-33. Where law enforcement acts "with an objectively 'reasonable good-faith belief' that their conduct is lawful," there is no need for deterrence sufficient to justify the exclusion of reliable evidence. <a href="Id.">Id.</a> at 2427 (quoting United States v. Leon, 468 U.S. 897, 909 (1984)). This good-faith exception to the exclusionary rule applies where law enforcement reasonably relies on (1) an enacted statute, unless that statute is clearly unconstitutional, <a href="Illinois v. Krull">Illinois v. Krull</a>, 480 U.S. 340, 349-50 (1987); (2) a search warrant or other court order issued by a neutral magistrate, unless issuance of the order is clearly defective, <a href="Leon">Leon</a>, 468 U.S. at 922-23, 926; or (3) "binding appellate precedent," (Willie Gene) Davis, 131 S. Ct. at 2429.

Here, the government is entitled to the good-faith exception because, in seeking Appellants' CSLI, the government relied on the procedures established in the SCA and on two court orders issued by magistrate judges in accordance with the SCA. The government's first § 2703(d) application requested data regarding calls and messages to and from Appellants' phones during four time periods and described robberies under investigation that occurred during some of those time periods. After learning about other similar robberies, the government

submitted a second application to request records for the much broader 221-day time frame. The second application included the in the first application but same facts provided descriptions of additional robberies under investigation. Appellants do not claim that the government was "dishonest or reckless" in preparing either application. Leon, 468 U.S. at 926. Upon consideration of of each the government's applications, two magistrate judges of the district court respectively issued § 2703(d) orders to Sprint/Nextel for the disclosure of Appellants' account records. There is nothing in the record to suggest that either magistrate "abandoned" her or his "detached and neutral" role such that a well officer's reliance on either order would have been unreasonable. Id.

Appellants do not attack the facial validity of the § 2703(d) orders. Instead, they argue that the government cannot reasonably rely on the § 2703 orders because, in offering law enforcement a choice between seeking a warrant and a § 2703(d) court order to obtain subscriber records, the statute is internally inconsistent. Appellants point out that, while a warrant requires a showing of probable cause, a § 2703(d) order

requires a significantly lesser showing - a standard akin to reasonable suspicion. 24

We find no "inherent contradiction on the face of the SCA." Appellants' Br. 46. Section 2703(c) unambiguously offers law enforcement a choice between specific avenues to obtain records from service providers. "Unless a statute is clearly unconstitutional, an officer cannot be expected to question the judgment of the legislature that passed the law." <a href="Krull">Krull</a>, 480 U.S. at 349-50. That the statute provides options that set different requirements on law enforcement does not amount to a contradiction or render the statute facially unconstitutional.

Appellants argue next that the SCA cannot justify the government's unconstitutional use of discretion granted under the statute to seek a § 2703(d) court order instead of a warrant for historical CSLI. Citing State v. Thompson, 810 P.2d 415 (Utah 1991), Appellants argue that the good-faith exception is

Appellants cite In re Application (Third Circuit), wherein the Third Circuit reviewed a district court's denial of § 2703(d) applications for CSLI. 620 F.3d at 305-06. In seeking to determine whether a magistrate has authority under the statute to deny an application that satisfies the requirements § 2703(d), the court stated, "There is an inherent contradiction in the statute or least an underlying at omission." Id. at 319. The court did not specifically identify any contradiction in the statute. We presume that the court's comment is based on the statute's lack of clarity as to the scope of the magistrate's discretion to grant or deny § 2703(d) applications. That does not appear to be the "inherent contradiction" upon which Appellants rely.

inapplicable where a prosecutor fails to exercise a statutory grant of discretionary power within constitutional bounds. In a related case prior to Thompson, the Supreme Court of Utah had determined that issuance and use of certain subpoenas by the state attorney general under Utah's Subpoena Powers Act violated the Utah Constitution in several respects for which the attorney general was responsible. In re Criminal Investigation, 7th Dist. Ct. No. CS-1, 754 P.2d 633, 658-59 (Utah 1988), cited in Thompson, 810 P.2d at 146. In Thompson, the court determined that "a good faith exception [to Utah's exclusionary rule] . . . would be inapplicable to illegal subpoenas issued . . . by the attorney general, who is chargeable for the illegality[,]" and therefore evidence obtained through use of the illegal subpoenas was subject to suppression. 810 P.2d at 420. The constitutional defects in the issuance and use of the subpoenas were clear enough for the attorney general to concede that the Subpoena Powers Act had been unconstitutionally applied. See id. at 639, 658.

The constitutionally infirm decision of the prosecution in the present case to seek § 2703(d) orders instead of warrants was not so clear, at least not prior to today's decision. Prior to our ruling today, neither this Court nor the U.S. Supreme Court had deemed the government's conduct in this case unconstitutional.

We agree with Appellants that, when in doubt, the should "err on the side of constitutional government behavior[.]" Leon, 468 U.S. at 926 (Brennan, J., dissenting). And we recognize that, at the time the government obtained the CSLI at issue here, court rulings outside of this Circuit were in conflict as to the constitutionality of obtaining this information without a warrant. But the government's conduct in this case was not governed by disagreements among a handful of courts outside this Circuit, and there was no decisional authority in this Circuit suggesting that the choice presented in § 2703(c) was unconstitutional as applied to CSLI from cell phone service providers. We conclude, therefore, that government reasonably relied on the SCA in exercising its option to seek a § 2703(d) order rather than a warrant. The good-faith exception applies. 25 We affirm denial of Appellants' motion to suppress.

III.

Appellants appeal the district court's admission of certain testimony of Jeff Strohm, records custodian for Sprint/Nextel,

 $<sup>^{25}</sup>$  Now that we have determined that law enforcement violates the Fourth Amendment when it acts without a warrant to obtain an individual's long-term CSLI, its choice under § 2703(c) is constrained. The government may no longer rely on the statute to justify an election not to secure a warrant for this information.

and Special Agent Colin Simons of the FBI, arguing that portions constitute expert testimony in the guise of lay opinion.

As previously stated, we review the district court's evidentiary rulings for abuse of discretion. United States v. Johnson, 617 F.3d 286, 292 (4th Cir. 2010). "A district court has abused its discretion if its decision 'is guided by erroneous legal principles' or 'rests upon a clearly erroneous factual finding.'" Morris v. Wachovia Sec., Inc., 448 F.3d 268, 277 (4th Cir. 2006) (quoting Westberry v. Gislaved Gummi AB, 178 F.3d 257, 261 (4th Cir. 1999)). If we find such an abuse of discretion, we review it under the harmless-error standard stated in Rule 52(a) of the Federal Rules of Criminal Procedure. Johnson, 617 F.3d at 292. We find the district court's error harmless if we can "say with fair assurance, after pondering all that happened without stripping the erroneous action from the whole, that the judgment was not substantially swayed by the error." Id. (quoting United States v. Brooks, 111 F.3d 365, 371 (4th Cir. 1997)) (internal quotation marks omitted).

For the reasons explained below, we find no abuse of discretion in the district court's admission of Simons' testimony and portions of Strohm's testimony. Insofar as the court erred in admitting other portions of Strohm's testimony as that of a lay witness, we find such error harmless.

The admission of expert testimony is governed by Rule 702 of the Federal Rules of Evidence, which permits one "who is qualified as an expert" to offer at trial opinion testimony based on "scientific, technical, or other specialized knowledge." Prior to admitting any expert testimony, the trial judge must act as a gatekeeper, conducting a preliminary assessment of whether the expert's proffered testimony is both relevant and reliable. Kumho Tire Co. v. Carmichael, 526 U.S. 137, 149 (1999) (citing Daubert v. Merrell Dow Pharm., Inc., 509 U.S. 579, 592 (1993)).

Under Rule 701, lay witnesses are "'not permit[ted] . . . to express an opinion as to matters which are beyond the realm of common experience and which require the special skill and knowledge of an expert witness.'" Certain Underwriters at Lloyd's, London v. Sinkovich, 232 F.3d 200, 203 (4th Cir. 2000) (quoting Randolph v. Collectramatic, Inc., 590 F.2d 844, 846 (10th Cir. 1979)). "At bottom, . . . Rule 701 forbids the admission of expert testimony dressed in lay witness clothing, but it 'does not interdict all inference drawing by lay witnesses.'" United States v. Perkins, 470 F.3d 150, 156 (4th Cir. 2006) (quoting United States v. Santos, 201 F.3d 953, 963 (7th Cir. 2000)).

Appellants challenge Strohm's testimony regarding how cell phones connect with cell sites and the operations and radio frequency range of cell sites. Strohm testified that, in seeking or receiving a connection to the cellular network, a cell phone connects to the cell tower emitting the strongest signal, and that cell sites in urban areas have a two-mile maximum range of connectivity. He testified further that, aside from proximity, factors such as line of sight and volume of call traffic may affect the ability of a particular cell tower to connect to a phone, but, in any case, the phone must be located within two miles of any cell tower in the Baltimore area in order to connect to it.

Strohm's testimony that signal strength determines which cell tower will connect to a phone and that cell towers in urban areas have a two-mile maximum range of operability was not opinion testimony. These statements were not conclusions Strohm drew based on any specialized reasoning or assessment, and were not presented in the form of an opinion or inference. They were facts based on Strohm's experience as an employee Sprint/Nextel. Indeed, at trial, defense counsel specifically declined to challenge Strohm's testimony that a cell phone connects to the tower emitting the strongest signal. Strohm's testimony as to cell sites' range of operability required no greater than the same minimal technical knowledge. The district

court did not abuse its discretion in admitting this testimony by a lay witness.

that factors Similarly, Strohm's testimony including proximity, line of sight, and call traffic may affect a phone's ability to connect to a particular cell tower did not rise to the level of an expert opinion. Strohm did not, for instance, engage in any analysis comparing the factors or seek determine these factors resulted in how any connection, which would have required scientific, technical, or specialized knowledge. He merely presented the fact that these factors exist, which prevented the jury from being misled into believing that signal strength is a matter of proximity alone or that a cell phone will always connect to the nearest tower.

if the district court abused its discretion Even admitting Strohm's testimony about these factors, any such error was harmless. The government's evidence as to the locations of Appellants' cell phones at various points in time was based the locations of the cell listed towers Sprint/Nextel's records and each tower's two-mile maximum range of operability. In order for Appellants' cell phones to connect to the towers listed in Sprint/Nextel's records, they had to have been located within two miles of the listed towers, even if line of sight or call traffic affected which cell sites within two miles ultimately connected to the phones. The mere fact that

these factors exist, therefore, could not have substantially affected the jury's assessment of the government's evidence and the resultant verdict.

The admission of other aspects of Strohm's lay testimony is more concerning. Strohm provided explanations of how cell phones connect to a cellular network for the completion of calls, going, at times, into technical details about operations performed by cell sites and how calls are routed through network switches. Such testimony was clearly "based on scientific, technical, or specialized knowledge within the scope of Rule 702." Fed. R. Evid. 701(c); see also United States v. Yeley-Davis, 632 F.3d 673, 684 (10th Cir. 2011) ("The agent's testimony concerning how cell phone towers operate constituted expert testimony because it involved specialized knowledge not readily accessible to any ordinary person."); United States v. Evans, 892 F. Supp. 2d 949, 954 (N.D. Ill. 2012) (holding that testimony as to "how cellular networks operate, i.e., the process by which a cell phone connects to a given tower" requires an expert qualified to "meet the demands of Rule 702 and Daubert").

We conclude, however, that any error in the admission of this testimony was harmless. The technical aspects of how cell phone calls are completed have little to do with establishing the location of a cell phone based on cell site information. All that really matters is that the cell site had a particular range of connectivity and that the phone connected to a cell site at a particular time - facts established through Sprint/Nextel's records and admissible portions of Strohm's testimony.

C.

Appellants challenge testimony offered by Agent Simons regarding his creation of maps based on the CSLI disclosed by Sprint/Nextel. The maps plot the locations of certain cell sites listed in the CSLI records, the business establishments robbed, and Jordan's apartment. The maps also identify the dates and times of inbound and outbound calls made by Appellants' phones through the plotted cell sites.

Simons' testimony did not amount to an expert opinion. To create the maps, Simons utilized mapping software that was marketed to the general public and required little more than identification of the various locations he intended to plot. He entered the locations of the businesses and Jordan's apartment by their physical addresses and the cell sites by latitude and longitude, as disclosed by Sprint/Nextel. The minimal technical knowledge or skill required to complete this task was not so "specialized" as to constitute a matter of expertise within the meaning of Rule 702. See United States v. Henderson, 564 F. App'x 352, 364 (10th Cir. 2014) (unpublished) (holding that agent's testimony regarding review of cell phone records and

creation of map of cell tower locations "did not require expertise"). The district court did not abuse its discretion in admitting Simons' testimony.

IV.

Jordan appeals the district court's decision to set certain restrictions on his testimony, arguing that these restrictions infringed upon his constitutional right to testify in his own defense. We review the district court's evidentiary rulings for abuse of discretion but review constitutional questions de novo. United States v. Dinkins, 691 F.3d 358, 382 (4th Cir. 2012). We find no constitutional error or abuse of discretion in the challenged restrictions.

Α.

A criminal defendant has a constitutional right to testify on her own behalf derived from the compulsory process clause of the Sixth Amendment and the due process clause of the Fourteenth Amendment. Rock v. Arkansas, 483 U.S. 44, 52 (1987); United States v. Midgett, 342 F.3d 321, 325 (4th Cir. 2003). The right to testify is not absolute, however, and "'may, in appropriate cases, bow to accommodate other legitimate interests in the criminal trial process.'" Rock, 483 U.S. at 55 (quoting Chambers v. Mississippi, 410 U.S. 284, 295 (1973)). This Court has previously held, for instance, that "criminal defendants do not have a right to present evidence that the district court, in its

discretion, deems irrelevant or immaterial." United States v. Prince-Oyibo, 320 F.3d 494, 501 (4th Cir. 2003); see also Taylor v. Illinois, 484 U.S. 400, 410 (1988) (holding that compulsory process clause does not give defendant "an unfettered right to offer testimony that is incompetent, privileged, or otherwise inadmissible under standard rules of evidence"); Montana v. Egelhoff, 518 U.S. 37, 42 (1996) (applying same rule in due process context).

The defendant exercising her right to testify "must comply with established rules of procedure and evidence designed to assure both fairness and reliability in the ascertainment of guilt and innocence." Chambers, 410 U.S. at 302. Thus, under Rule 403 of the Federal Rules of Evidence, even relevant testimony by the defendant "may be excluded if its probative value is substantially outweighed by the danger of unfair prejudice, confusion of the issues, or misleading the jury[.]"

В.

The district court set certain restrictions on Jordan's testimony to prevent unfair prejudice to Graham. Specifically, Jordan was precluded from

Jordan did not object to these restrictions at trial, so any error committed by the district court in imposing the restrictions is subject to plain-error review. <u>United States v. Godwin</u>, 272 F.3d 659, 672 (4th Cir. 2001); see also Fed. R. Crim. P. 52(b). We will reverse only upon a showing by Jordan that an error by the district court was "clear or obvious[,]" affected Jordan's substantial rights, and "'seriously affect[s] the fairness, integrity or public reputation of judicial proceedings.'" <u>Godwin</u>, 272 F.3d at 672-73 (quoting <u>United States</u> v. Olano, 507 U.S. 725, 732 (1993)).

C.

We find no constitutional error in the restrictions the district court placed on Jordan's testimony because the restrictions did not prevent Jordan from presenting a full narrative in his defense. Jordan was permitted to testify — and did indeed testify — as follows: In late January or early February of 2011, Graham and a group of friends began coming to Jordan's home on a regular basis. Jordan would socialize with them "for a little while" before asking them to leave because "I don't live like they live[.]" J.A. 2303. Friends of Graham were at Jordan's apartment on the morning of February 5, 2011, and

Graham arrived later. After Jordan and Graham visited a liquor store together, Graham dropped Jordan off at his home, and then Jordan went to visit his aunt's home on the 300 block of North Stricker in Baltimore. Street Graham came through neighborhood, and Jordan arranged for him unidentified person to "do their little business." J.A. 2310. When Graham returned to Jordan, he asked Jordan to take him to a Wal-Mart store to purchase a television set. Jordan drove Graham's truck and was eventually stopped by police, and the two were arrested. When asked about the weapons recovered from his home after his arrest, Jordan testified that he did not know how they got there but believed that Graham's friends left them there.<sup>26</sup>

Jordan argues that the court's restrictions prevented him from explaining the basis of his association with Graham. He avers that a full account of his relationship with Graham would have shown that they were together and communicated at certain times for reasons other than to commit robberies. The only alternative explanation disclosed in Jordan's brief is that

<sup>&</sup>lt;sup>26</sup> Specifically, Jordan stated, "I think the day I let his home boys stay [in my house], they left them in there." J.A. 2314. Viewed in context, the statement implicitly referred to Graham. The court admonished Jordan for this statement, instructing him "to confine [his] remarks to what [he] did." Id.

. Jordan also sought to testify that,

The restrictions imposed by the district court were not arbitrary but were appropriately tailored to suit their purpose in preventing unfair prejudice to Graham. Testimony that

prejudice Graham while bearing no real exculpatory value for Jordan. Specifically naming Graham and his associates would have had minimal probative value in Jordan's favor. The district court did not abuse its discretion in determining that the risk of unfair prejudice to Graham outweighed the probative value of any of this testimony. See Fed. R. Evid. 403.

D.

Jordan argues that testimony about

would have explained a prior inconsistent statement the government used to impeach him.

obtained by the government disproved this version of events, showing that the last call Graham made to Jordan was much earlier that afternoon and then both Jordan's and Graham's phones were near each other, but several miles away from Jordan's apartment.

Jordan's initial version of events also contradicted his testimony at trial, wherein he stated that Graham picked him up from Stricker Street to ask for a ride - not from his home. When confronted by the inconsistent statement made to authorities, Jordan admitted that he had lied, but stated that he did so because he was "scared." J.A. 2314, 2343. Jordan avers that his initial account was not accurate because he was afraid to inform the authorities about

Explaining the basis for his fear at trial due to the court's restriction against testifying about

During its closing argument, the government disputed whether Jordan's purported fear was the reason for the lies he told authorities, stating to the jury, "he didn't mislead the police

because he was afraid. He misled the police to get away with what he had done." J.A. 2444.

agree with Jordan that, in the context t.he We government's efforts to impeach him, it was an abuse discretion for the court to prevent Jordan from rebutting these efforts through a full explanation of his prior inconsistent statement. Jordan's counsel, however, did not object to the restriction and thus forfeited the issue. The forfeited error only warrants reversal if it was "clear or obvious" and affected Jordan's substantial rights. Godwin, 272 F.3d at 672. Absent an objection that would have brought the issue to the district court's attention, the court's abuse of discretion was not "clear or obvious."

Further, Jordan fails to show that the error affected his substantial rights. Αt trial, the government substantial evidence tending to disprove Jordan's version of Such evidence included data from test drives events. Computer Aided Dispatch ("CAD") reports showing that it would not have been possible for Graham to have picked Jordan up from the 300 block of North Stricker Street during the brief time period between the McDonald's robbery and the point at which Jordan and Graham were apprehended by Baltimore police. On this record, we cannot conclude that the government's impeachment of

Jordan by prior inconsistent statement was necessary for the jury to determine that Jordan's version of events was untrue.

In sum, Jordan fails to show that the restriction against testimony about

on the date of the Burger King and McDonald's robberies was plain error.  $^{27}$  We affirm.

V.

Jordan appeals the district court's denial of his motion for severance, arguing that the joint trial of him and Graham compromised his right to testify fully in his own defense. "We review a district court's denial of a motion for severance for an abuse of discretion." <u>United States v. Lighty</u>, 616 F.3d 321, 348 (4th Cir. 2010) (citation omitted). The district court has "broad discretion" to deny a motion for severance. <u>Id.</u> To

<sup>&</sup>lt;sup>27</sup> Based on the apparent agreement between Jordan's counsel, the government, and the district court about the restrictions on Jordan's testimony, the government argues that Jordan waived the issue and that even plain-error review is not warranted. See Olano, 507 U.S. at 733 ("Waiver is different from forfeiture. Whereas forfeiture is the failure to make the timely assertion of a right, waiver is the 'intentional relinquishment or abandonment of a known right.") (citation omitted). Jordan implicated that the restriction his personal constitutional right to testify in his own defense, which cannot be waived by defense counsel or the court. United States v. Flores-Martinez, 677 F.3d 699, 711 (5th Cir. 2012); United <u>States v. Teague</u>, 953 F.2d 1525, 1532 (11th Cir. 1992); see also Midgett, 342 F.3d at 327 (agreement between court and defense counsel did not effect waiver of defendant's constitutional right to testify). We need not decide whether Jordan waived the issue because there is no plain error.

establish abuse of discretion, "a defendant must show that he was prejudiced by the denial of a severance motion . . . ." Id. (citation omitted).

Under Rule 8(b) of the Federal Rules of Criminal Procedure, multiple defendants "may be charged in the same indictment if they are alleged to have 'participated in the same act or transaction, or in the same series of acts or transactions, constituting an offense or offenses.'" Id. (quoting Fed. R. Crim. P. 8(b)). "There is a preference in the federal system for joint trials of defendants who are indicted together[]" because such trials "promote efficiency and 'serve the interests of justice by avoiding the scandal and inequity of inconsistent verdicts.'" Zafiro v. United States, 506 U.S. 534, 537 (1993) (quoting Richardson v. Marsh, 481 U.S. 200, 210 (1987)). "Accordingly, severance under Rule 14 is only warranted when 'there is a serious risk that a joint trial would compromise a specific trial right of one of the defendants, or prevent the jury from making a reliable judgment about guilt or innocence." United States v. Najjar, 300 F.3d 466, 473 (4th Cir. 2002) (quoting Zafiro, 506 U.S. at 539). The defendant seeking severance must show "'that actual prejudice would result from a joint trial, . . . and not merely that a separate trial would offer a better chance of acquittal." Id. (quoting United States v. Reavis, 48 F.3d 763, 767 (4th Cir. 1995)).

Jordan argues that the joint trial compromised his right to provide exculpatory testimony on his own behalf and resulted in prejudice to him. As discussed in Part IV supra, the district court placed some restrictions on Jordan's testimony to prevent prejudice to Graham and to permit a fair joint trial between the defendants. Jordan contends, again, that these restrictions impaired his right to provide testimony that would exculpate him but tend to inculpate Graham. This Court has previously held, however, that a defendant's "desire . . . to exculpate himself by inculpating another [is] insufficient grounds to require separate trials." Najjar, 300 F.3d at 474 (quoting United States v. Spitler, 800 F.2d 1267, 1271 (4th Cir. 1986)). As explained in Part IV, Jordan was permitted to present a full narrative in his defense to the charges against him. The testimony that Jordan sought to provide inculpating Graham held exculpatory value for Jordan. The restrictions did not prejudice Jordan and did not prevent the jury from making a reliable judgment.

As we stated in Najjar,

[Rule 14] requires more than finger pointing. There must be such a stark contrast presented by the defenses that the jury is presented with the proposition that to believe the core of one defense it must disbelieve the core of the other . . . or "that the jury will unjustifiably infer that this conflict alone demonstrates that both are guilty."

Id. (citations omitted).

In summary, Graham's defense was that he was not any of the individuals seen in video surveillance of the armed robberies charged in the case; witnesses' identifications of Graham were dubious; the CSLI in the cell phone records was imprecise; the government failed to show that Graham's and Jordan's association amounted to an agreement to commit crime; and items of clothing and the vehicle used to link Graham to various robberies were common and not distinctive. Similarly, Jordan contended at trial that he did not drive Graham's pickup truck to flee any robbery; that he was visiting a relative's home when the Burger King and McDonald's robberies occurred; that descriptions of individuals who committed the Shell robbery did not match Jordan; that the government failed to show that his association with Graham amounted to a conspiracy; and that the CSLI was imprecise. Additionally, Jordan asserted in his defense that he did not sanction Graham's friends using his apartment to store weapons clothing. There is little, if any, contrast and Appellants' defenses, and certainly no contrast so stark as to necessitate severance. We cannot conclude that the district court abused its broad discretion and therefore affirm denial of Jordan's motion for severance.

VI.

Jordan challenges the district court's decision to exclude from evidence two out-of-court statements of an unavailable

declarant, i.e., Graham. We review the district court's decision for abuse of discretion. <u>United States v. Bumpass</u>, 60 F.3d 1099, 1102 (4th Cir. 1995).

Hearsay is generally not admissible in evidence, Fed. R. Evid. 802, given the "dangers" of insincerity, misperception, misremembrance, and ambiguity presented in out-of-court statements, Williamson v. United States, 512 U.S. 594, (1994). Rule 804(b)(3), however, provides an exception to the hearsay rule for statements made against the declarant's interest, including statements that, at the time they were made, "had so great a tendency . . . to expose the declarant to civil or criminal liability" that a reasonable person in her position would not have made the statements unless believing them to be true. Fed. R. Evid. 804(b)(3). "[H]earsay may be admitted under this exception if (1) the declarant is unavailable, (2) the genuinely adverse to the declarant's penal statement is interest, and (3) 'corroborating circumstances clearly indicate the trustworthiness of the statement.'" Bumpass, 60 F.3d at 1102. Satisfying these requirements presents a "formidable burden" to the party offering the statement. Id.

Jordan argues that the district court should have admitted a written statement bearing the signature "Aaron Graham" and the recording of a jail call between Graham and an individual called Tony. Dated February 9, 2011, the written statement reads, "I

Aaron Graham I did pick up Eric Jordan 10-15 minutes prior to my truck being pulled over and he had no knowledge of anything I'm accused of." J.A. 2638. On the jail call, Tony asks, "Remember, didn't you write a statement or something saying he wasn't with you or something like that?" Graham responds, "Oh, yeah, yeah, yeah, yeah, yeah, yeah, yeah, Exercising his Fifth Amendment right not to testify at trial, Graham was unavailable to testify as the declarant of the statements at issue. See United States v. Dargan, 738 F.3d 643, 649 (4th Cir. 2013).

We conclude that the district court did not abuse its discretion in excluding the statements from evidence. First, the written statement was not genuinely adverse to Graham's penal interest. The statement admits of no wrongdoing by Graham but rather casts the charges against Graham as mere allegations.

Second, Jordan fails to show corroborating circumstances that clearly indicate that the written statement is trustworthy. While recognizing that "the precise nature of the corroboration required by Rule 804(b)(3) cannot be fully described," this Court has identified several factors that courts consider in "determining whether sufficient corroboration exists to justify admitting a statement under the rule[.]" <u>Bumpass</u>, 60 F.3d at 1102. These factors include

(1) whether the declarant had at the time of making the statement pled guilty or was still exposed to prosecution for making the statement, (2) the

declarant's motive in making the statement and whether there was a reason for the declarant to lie, (3) whether the declarant repeated the statement and did so consistently, (4) the party or parties to whom the statement was made, (5) the relationship of the declarant with the accused, and (6) the nature and strength of independent evidence relevant to the conduct in question.

## Id.

The fact that Graham and Jordan were friends or associates likely gave Graham a motive to exonerate Jordan and a reason to lie for this purpose. Further, there is no indication in the record that the content of the written statement was ever repeated by Graham; nor is there any independent evidence, aside from Jordan's own testimony, to show that Jordan was not with Graham during the robberies. Graham was facing prosecution on the date attached to the written statement, but he could not have exposed himself to greater criminal liability or risk of conviction in making the statement, given its non-incriminating character.

In sum, we agree with the district court that there are not sufficient corroborating circumstances to "clearly" indicate the trustworthiness of the written statement. We find no abuse of discretion in the district court's decision to exclude the hearsay statement.

We also agree with the district court that the jail call is insufficient to establish that the written statement was indeed

a statement by Graham. <u>See</u> Fed. R. Evid. 901. On the call, Graham appears to affirm that he, at some point, wrote a statement, but his comment falls short of identifying or otherwise authenticating the written statement Jordan sought to admit into evidence. We find no abuse of discretion in the district court's decision to exclude jail call as non-relevant. See Fed. R. Evid. 401.

VII.

Jordan challenges the district court's denial of his motion to suppress evidence obtained in searches of his home conducted after his arrest in February 2011. The searches were conducted pursuant to two warrants Jordan argues were invalid based on defects in the affidavit of probable cause submitted to obtain the first warrant and in the return after the first warrant was executed. Jordan does not dispute that the affidavits for both warrants provided a substantial basis for a finding of probable cause. Instead, Jordan argues that the warrants were invalid because (1) the affidavit supporting the first warrant omitted exculpatory information while including information about robberies for which Jordan was not ultimately charged; and (2) the affiant falsely certified in the return that he executed the warrant. We find no reversible error.

Α.

Jordan identifies two sets of defects in the affidavit supporting the first warrant: (1) it included facts about the robberies of January 22, 2011, with which Jordan was not ultimately charged; and (2) it omitted the facts about these robberies that would tend to exculpate Jordan, including the fact that descriptions of the robbers did not match Jordan and the lack of forensic evidence linked to Jordan. Jordan claims that he was prejudiced by these additions and omissions.

An affidavit supporting a search warrant is entitled to "a presumption of validity[,]" Franks v. Delaware, 438 U.S. 154, 171 (1978), but a defendant may "attack a facially sufficient affidavit" "in certain narrowly defined circumstances[,]" United States v. Colkley, 899 F.2d 297, 300 (4th Cir. 1990) (citing Franks, 438 U.S. 154). After making a preliminary showing, a defendant may demand under the Fourth Amendment a hearing to (1) whether affiant determine an has "knowingly intentionally, or with reckless disregard for the truth," included a false statement in a warrant affidavit; and (2) whether the false statement "is necessary to the finding of probable cause[.]" Franks, 438 U.S. at 155-56.

"[T]he search warrant must be voided" if perjury or reckless disregard is established by a preponderance of the evidence, and, "with the affidavit's false material set to one side, the affidavit's remaining content is insufficient to

establish probable cause[.]" <u>Id.</u> at 156. In such a case, "the fruits of the search [must be] excluded to the same extent as if probable cause was lacking on the face of the affidavit." <u>Id.</u>

This rule "also applies when affiants omit material facts 'with the intent to make, or in reckless disregard of whether they thereby made, the affidavit misleading.'" <u>Colkley</u>, 899 F.2d at 300 (quoting <u>United States v. Reivich</u>, 793 F.2d 957, 961 (8th Cir. 1986)).

Jordan did not request a <u>Franks</u> hearing before the district court and has made no showing before this Court that the affiant on the challenged affidavit included any false statement, whether "knowingly and intentionally, . . . with reckless disregard for the truth," or otherwise. <u>Franks</u>, 438 U.S. at 155. Jordan also has not shown that any of the complained-of statements included in the affidavit were "necessary to the finding of probable cause" or that any of the excluded facts would have prevented a finding of probable cause. Id. at 156.

We also reject Jordan's challenge with respect to the potentially exculpatory information he complains was not included in the first warrant affidavit. In <u>Colkley</u>, this Court affirmed denial of a defendant's motion to suppress fruits of an arrest warrant that "did not contain certain potentially exculpatory information known to the affiant." 899 F.2d at 298. The defendant "made no showing that the affiant intended to

mislead the magistrate by omitting information, and because the warrant with the omitted information would in any event have been supported by probable cause . . . " Id. Similarly here, Jordan has not shown that the affiant intended to mislead the magistrate by omitting, or was reckless in omitting, information that tended to exculpate Jordan as to the robberies of January 22, 2011.

We find no reason to set aside our presumption that the challenged warrant affidavit was valid and therefore find no reversible error in the district court's decision to admit evidence seized during the searches of Jordan's home.

В.

Citing Rule 41(f)(1) of the Federal Rules of Criminal Procedure, Jordan next argues that the first search warrant was defective because the affiant, Detective Woerner, falsely certified in the return that he executed the warrant. Rule 41(f)(1) provides that "[a]n officer present during the execution of the warrant must prepare and verify an inventory of any property seized" and that "[t]he officer executing the warrant must promptly return it — together with a copy of the inventory — to the magistrate judge designated on the warrant."

By its own terms, however, Rule 41 applies only to federal search warrants requested by "a federal law enforcement officer" or "an attorney for the government[.]" Fed. R. Crim. P. 41. This

Court has held that "a warrant proceeding must meet the particulars of Rule 41 only where the warrant application was made at the direction or urging of a federal officer." <u>United States v. Clyburn</u>, 24 F.3d 613, 616 (4th Cir. 1994) (citations and internal quotation marks omitted). We have also held that "[n]on-constitutional violations of Rule 41 warrant suppression only when the defendant is prejudiced by the violation . . . or when 'there is evidence of intentional and deliberate disregard of a provision in the Rule[.]'" <u>United States v. Simons</u>, 206 F.3d 392, 403 (4th Cir. 2000) (citations omitted).

The warrants Jordan challenges were prepared and executed by local law enforcement officers, not federal agents. Thus, any defect in the return cannot serve as a basis for suppression. Even if Rule 41 applied, however, Jordan has not shown that the officers intentionally or deliberately disregarded requirements of Rule 41(f) or that he was prejudiced by the defect in the return. In this context, prejudice would be established by a showing that the search would not have taken place the same way if the officers had complied with the Rule with respect to the return. See United States v. Pangburn, 983 F.2d 449, 455 (2d Cir. 1993) ("[T]here was no prejudice to Salcido because the search of his storage locker would have taken place in exactly the same way if Rule 41 had been followed with regard to notice of the entry . . . ."). Jordan has made no

such showing. The false certification of the return provides no basis for suppression in this case. We affirm the district court's decision to admit the challenged evidence.

VIII.

Jordan appeals the district court's denial of his motion for acquittal with respect to the charges for conspiracy, Hobbs Act robbery, and brandishing a firearm during a crime of violence in connection with the Shell, Burger King, McDonald's robberies. Rule 29(a) of the Federal Rules Criminal Procedure requires the district court to "enter a judgment of acquittal of any offense for which the evidence is sustain a conviction." At the insufficient to close government's case-in-chief, Jordan submitted motions acquittal as to all offenses charged in the indictment. district court granted the motion as to the charge under 18 U.S.C. § 922(g)(1) in Count One for being a felon in possession of a firearm but denied the motion as to the remaining counts. The jury ultimately returned guilty verdicts as to each of these offenses. Jordan argues that the evidence presented at trial was sufficient to support the guilty verdicts beyond a not reasonable doubt. We disagree.

Α.

We review challenges to the sufficiency of evidence de novo. United States v. Engle, 676 F.3d 405, 419 (4th Cir. 2012),

cert. denied, 133 S. Ct. 179 (2012). The Court must sustain the verdict if, "viewing the evidence and the reasonable inferences to be drawn therefrom in the light most favorable to the Government, '. . . the evidence adduced at trial could support any rational determination of guilty beyond a reasonable doubt.'" United States v. Burgos, 94 F.3d 849, 863 (4th Cir. 1996) (quoting United States v. Powell, 469 U.S. 57, 67 (1984)). In assessing the challenge, we focus on "'the complete picture that the evidence presents[,]' . . . consider[ing] the evidence 'in cumulative context' rather than 'in a piecemeal fashion[.]'" United States v. Strayhorn, 743 F.3d 917, 921-22 (4th Cir. 2014), cert. denied, 134 S. Ct. 2689 (2014) (quoting Burgos, 94 F.3d at 863).

This Court "may not overturn a substantially supported verdict merely because it finds the verdict unpalatable or determines that another, reasonable verdict would be preferable." <u>Burgos</u>, 94 F.3d at 862. Rather, "reversal for insufficiency [is] '. . . confined to cases where the prosecution's failure is clear[.]'" <u>Engle</u>, 676 F.3d at 419 (quoting <u>Burks v. United States</u>, 437 U.S. 1, 17 (1978)). A defendant asserting a sufficiency challenge therefore bears a "'heavy burden[.]'" <u>Id.</u> (quoting <u>United States v. Hoyte</u>, 51 F.3d 1239, 1245 (4th Cir. 1995)).

The evidence presented at trial included the following:

Three individuals were seen on video surveillance using firearms to rob Shell on February 1, 2011. Clothing matching that worn by one of the individuals, who the government sought to prove was Graham, and weapons matching those seen in the video and described by victims were later recovered from different locations inside Jordan's apartment, among his personal belongings. Photographs showed that distinctive clothing Jordan wore at the time of his arrest closely resembled that worn by a masked robber seen in the video of the Shell robbery, which was confirmed in the testimony of two police detectives. CSLI in cell phone records showed that, minutes after the Shell robbery on February 1, 2011, Jordan was near Shell and then both he and Graham were near Jordan's apartment.

Cell phone records also showed that numerous calls were made between Jordan and Graham between February 1 and February 5, 2011. CSLI showed that, on February 5, 2011, Jordan and Graham were both near Jordan's apartment approximately 45 minutes before the Burger King robbery and that Graham was near Burger King within minutes of the robbery. On that date, according to eyewitness testimony, an individual later identified as Graham used a black pistol with a white handle to rob Burger King and then McDonald's. Graham was seen fleeing

each robbery by entering the passenger side of a dark colored Ford F-150 pickup truck that was driven by another individual.

Officer Corcoran testified that, during his investigation of the Burger King robbery, he received reports describing the robber, his weapon, and the getaway vehicle. A 911 call was placed reporting the McDonald's robbery and described the getaway vehicle as a pickup truck. CAD reports confirm that approximately five minutes after the call, Corcoran spotted a speeding F-150 truck on the road and saw that the passenger wore a jacket matching the description of the Burger King robber. Corcoran pursued the vehicle and activated the siren on his patrol car. The driver of the truck, who turned out to be Jordan, responded by driving up on a sidewalk before becoming trapped between heavy traffic, a construction barrier, and a moving train in front of the truck. Jordan was initially noncompliant with instructions given by Officer Corcoran but was eventually secured and arrested. Graham was arrested from the passenger side of the vehicle.

Bundles of folded and crumbled cash were recovered from Jordan and Graham, including more than \$200 recovered from Jordan's person and \$83 stuffed in the console inside the truck.

A .25 caliber Taurus pistol with a pearl handle was found under the passenger seat of the truck and matched the description of the gun used in the Burger King and McDonald's robberies. The

truck was owned by Graham and matched the description of the truck used as the getaway vehicle after each of the Burger King and McDonald's robberies. A fingerprint belonging to Graham was found at Burger King after the robbery.

Test drives were conducted of the route between McDonald's and the location on North Stricker Street where Jordan testified that he was picked up by Graham on February 5, 2011. The tests showed that the trip would take more than seven minutes to travel at the highest possible rate of speed in traffic, using emergency lights and sirens. This evidence tended to show that it would not have been possible for Jordan to have been picked up from North Stricker Street between the time of the McDonald's robbery and the pursuit by Officer Corcoran.

In addition to the foregoing evidence, the parties stipulated that the businesses robbed operated in interstate commerce and that the robberies affected interstate commerce.

Viewed as a whole and in the light most favorable to the government, a reasonable juror could accept the evidence presented at trial "as adequate and sufficient to support a conclusion of guilt beyond a reasonable doubt[]" on each of the offenses of which Jordan was convicted. Engle, 676 F.3d at 419.

C.

Jordan's sufficiency challenges as to his robbery and firearm convictions proceed from assumptions that he was found

guilty of these offenses solely on a theory of having aided and abetted armed robberies principally committed by Graham. These assumptions are dubious, considering that the jury found Jordan guilty of conspiracy in Count Four.

To prove conspiracy, the government must show "(1) an agreement between two or more people to commit a crime, and (2) an overt act in furtherance of the conspiracy." <u>United States v. Ellis</u>, 121 F.3d 908, 922 (4th Cir. 1997). "The existence of a 'tacit or mutual understanding' between conspirators is sufficient evidence of a conspiratorial agreement." <u>Id.</u> (quoting <u>United States v. Chorman</u>, 910 F.2d 102, 109 (4th Cir. 1990)). Such an agreement may be established through circumstantial evidence, such as the defendant's "'relationship with other members of the conspiracy, the length of this association, [the defendant's] attitude [and] conduct, and the nature of the conspiracy.'" <u>Burgos</u>, 94 F.3d at 858 (4th Cir. 1996) (citation omitted).

"Like the conspirators' agreement, a defendant's participation in the conspiracy 'need not be explicit; it may be inferred from circumstantial evidence.'" Id. This Court has held that "once a conspiracy is established, even a slight connection between a defendant and the conspiracy is sufficient to include him in the plan." Ellis, 121 F.3d at 922 (internal quotation marks and citation omitted).

A reasonable fact finder could conclude from the evidence presented at trial that Jordan conspired with Graham to commit robberies of Shell, Burger armed King, and McDonald's. Circumstantial and direct evidence showing that Jordan and Graham cooperated in performing the armed robbery of Shell reflects a "'tacit and mutual understanding'" between the two and supports a reasonable inference that they had an agreement to commit this crime. Ellis, 121 F.3d at 922 (citation omitted). Evidence of the pair's involvement in the Shell robbery, ongoing communications between Jordan and Graham over the course of the days to follow, and Jordan's role as getaway driver after Graham's robberies of Burger King and McDonald's provide circumstantial evidence that Jordan and Graham agreed to cooperate in assuming their respective roles in these robberies. In sum, the evidence presented at trial was sufficient to support Jordan's conspiracy conviction.

As a co-conspirator with Graham in the Shell, Burger King, and McDonald's robberies, Jordan is liable for Graham's reasonably foreseeable acts in furtherance of the conspiracy.

See United States v. Ashley, 606 F.3d 135, 142-43 (4th Cir. 2010) (citing Pinkerton v. United States, 328 U.S. 640, 647 (1946)). Jordan does not dispute that the government presented substantial evidence that Graham was responsible for Hobbs Act robbery of Shell, Burger King, and McDonald's, and used a

firearm in each of those robberies.<sup>28</sup> We hold, therefore, that Jordan's convictions for Hobbs Act robbery and brandishing a firearm under 18 U.S.C. § 924(c) are supported by substantial evidence.

D.

Jordan contends that the district court made a ruling that the government failed to prove Jordan's knowledge that Graham brought a firearm into the pickup truck after the McDonald's robbery. Without such evidence, Jordan argues, there was not sufficient evidence to convict him on the Hobbs Act robbery and firearm offenses arising from the Burger King and McDonald's robberies. The record discloses no clear ruling from the district court as to any evidence of Jordan's knowledge about the Taurus pistol in the truck.

Jordan directs our attention to the district court's decision to grant Jordan's Rule 29(a) motion for acquittal on Count One, which charged Jordan with being a felon in possession

<sup>&</sup>lt;sup>28</sup> A conviction under the Hobbs Act requires proof

<sup>(1)</sup> that the defendant coerced the victim to part with property; (2) that the coercion occurred through the "wrongful use of actual or threatened force, violence or fear or under color of official right"; and (3) that the coercion occurred in such a way as to affect adversely interstate commerce.

United States v. Buffey, 899 F.2d 1402, 1403 (4th Cir. 1990)
(citation omitted); see also 18 U.S.C. § 1951.

of a firearm under 18 U.S.C. § 922(g)(1). Liability under § 922(g)(1) may arise from a felon's voluntary and intentional possession of a firearm, whether the felon possessed the weapon actually or constructively, exclusively or jointly with others.

See United States v. Gallimore, 247 F.3d 134, 136-37 (4th Cir. 2001). "'Constructive possession' . . . occurs when a person 'exercise[s], or ha[s] the power to exercise, dominion and control over [an] item' of property." United States v. Scott, 424 F.3d 431, 435 (4th Cir. 2005) (quoting United States v. Shorter, 328 F.3d 167, 172 (4th Cir. 2003)). The government may "prove constructive possession of an item in instances when a defendant has dominion and control over the premises or vehicle where the item is located." Id. at 435 n.\*.

The government asserted multiple theories of the felon-inpossession charge against Jordan, including the theory that
Jordan was in constructive possession of the Taurus pistol
through operation of the truck in which it was located. The
district court rejected each of the government's theories. As to
the constructive-possession theory, the district court stated
two grounds for its decision: (1) "all of the evidence
introduced to date indicates the firearm was under the complete
individual control of the co-defendant Graham[;]" and (2) there
was "no evidence tending to show that Jordan's alleged

constructive possession of the firearm was voluntary as required by the Scott case." J.A. 2213.

We are not persuaded that, in so ruling, the district court implied that there was insufficient evidence that Jordan knew about the gun Graham brought into the truck. Cf. Schneckloth v. Bustamonte, 412 U.S. 218, 224 (1973) ("[Voluntariness] cannot be taken literally to mean a 'knowing' choice."). From the larger context of the court's colloquy with counsel regarding the felon-in-possession charge, it is apparent that the court's skepticism of the constructive-possession theory was based on the view that Jordan, as "the alleged getaway driver," J.A. 2192, could not have assumed joint possession of a weapon that was solely within the control of Graham simply because Graham chose to bring it into the vehicle. In that sense, possession Jordan had of the weapon by virtue of his control of the vehicle was not "voluntary." But that does not mean that Jordan was unaware that the weapon was present.<sup>29</sup>

In any case, our review of the district court's sufficiency determination is de novo, and we hold that there was indeed sufficient evidence that Jordan knew the Taurus pistol was in the truck after the Burger King and McDonald's robberies.

<sup>&</sup>lt;sup>29</sup> We decline to reach the question of whether the district court expressed the correct view of constructive possession of a firearm through control of the vehicle in which it is located.

Accordingly, we reject Jordan's sufficiency challenge to his convictions for these robberies and associated firearm offenses.

IX.

For the foregoing reasons, Appellants' Motion to Strike the Sur-Reply of the United States is granted, and the judgment of the district court is

AFFIRMED.

THACKER, Circuit Judge, concurring:

I am in agreement with Judge Davis's conclusion that cell site location information ("CSLI") cannot be obtained without a warrant but that, in this case, admission of the CSLI evidence must be sustained pursuant to the "good faith" exception to the warrant requirement. I write separately to express my concern about the erosion of privacy in this era of rapid technological development.

The tension between the right to privacy and emerging technology, particularly as it relates to cell phones, impacts all Americans. Indeed, as the Supreme Court noted in Riley v. California, cell phones "are now such a pervasive and insistent part of daily life that the proverbial visitor from Mars might conclude they were an important feature of human anatomy."

134 S. Ct. 2473, 2484 (2014). Nearly every American adult owns a cell phone.\* See Mobile Technology Fact Sheet, Pew Research Ctr., http://www.pewinternet.org/fact-sheets/mobile-technology-fact-sheet (last visited July 23, 2015) (saved as ECF opinion attachment) (reporting that, as of January 2014, "90% of

<sup>\*</sup> Cell phone ownership is even higher among young adults. See Aaron Smith, How Americans Use Text Messaging, Pew Research Ctr., http://www.pewinternet.org/2011/09/19/how-americans-use-text-messaging (last visited July 23, 2015) (saved as ECF opinion attachment) (reporting that 95% of 18 to 24 year olds own a cell phone).

American adults own a cell phone"). More than three-fifths of See Aaron Smith, Pew American adults own a smartphone. U.S. Smartphone Research Ctr., Use in 2015 (2015), http://www.pewinternet.org/files/2015/03/ 2 PI\_Smartphones\_0401151.pdf (saved as ECF opinion attachment) (reporting that "64% of American adults now own a smartphone of some kind"). And each year more Americans decide to rely solely on cell phones, untethering from landlines. See, e.g., Stephen J. Blumberg & Julian V. Luke, U.S. Dept. of Health & Human Res., Wireless Substitution: Early Release Estimates from the National; Health Interview Survey, July - December 2014 (2015),http://www.cdc.gov/nchs/data/nhis/earlyrelease/ wireless201506.pdf (saved as ECF opinion attachment). As of 2014, almost half of American homes only had cell phones. id. ("More than two in every five American homes (45.4%) had only wireless telephones (also known as cellular telephones, cell phones, or mobile phones) during the second half of 2014 . . . . ").

And cell phones are far more than sophisticated walkie-talkies. Unlike a walkie-talkie, which merely facilities a conversation, "a cell phone collects in one place many distinct types of information . . . that reveal much more in combination than any isolated record" or conversation. Riley, 134 S. Ct. at 2489. This information -- stored on the phone and

on remote servers -- makes reconstructing a day in the life of any individual a simple task. See, e.g., id. ("The sum of an individual's private life can be reconstructed through a thousand photographs labeled with dates, locations, and descriptions . . . ."). In fact, gathering and storing location information "is a standard feature on many smart phones and can reconstruct someone's specific movements down to the minute, not only around town but also within a particular building," including in the privacy of his or her own home. Id. at 2490. This is the reality of modern life. "The fact that technology now allows an individual to carry such information in his hand does not make the information any less worthy of the protection for which the Founders fought." Id. at 2495 (2014).

It is particularly disturbing that any one of us can be tracked from afar regardless of whether or not we are actively using our phones. Even just sitting at home alone, your phone may be relaying data, including your location data. This data is transmitted to the remote servers of your service provider, where the data is stored. According to the Government, it does not need a warrant to force your service provider to turn over this information. By doing nothing, you disclosed your location information to a third party. Per the Government's theory, in so doing you have foregone your right to

privacy such that a warrant is not necessary. I cannot approve of such a process (or lack thereof).

As the march of technological progress continues to advance upon our zone of privacy, each step forward should be met with considered judgment that errs on the side of protecting privacy and accounts for the practical realities of modern life.

At bottom, this decision continues a time-honored American tradition -- obtaining a warrant is the rule, not the exception.

DIANA GRIBBON MOTZ, Circuit Judge, dissenting in part and concurring in the judgment:

I concur in the judgment affirming Defendants' convictions and sentences. But, with respect, I dissent from the holding that the government violated Defendants' Fourth Amendment rights. The majority concludes that the government did so when it obtained, pursuant to 18 U.S.C. § 2703(d) court orders, but without warrants, records of the cell phone towers Defendants used to make and receive calls and text messages. That holding flies in the face of the Supreme Court's well-established third-party doctrine.

The Court has long held that an individual enjoys "no legitimate expectation of privacy," and so no Fourth Amendment protection, in information he "voluntarily turns over to [a] third part[y]." Smith v. Maryland, 442 U.S. 735, 743-44 (1979). This rule applies even when "the information is revealed," as it assertedly was here, "on the assumption that it will be used only for a limited purpose and the confidence placed in the

<sup>&</sup>lt;sup>1</sup> Given the majority's affirmance of Defendants' convictions on alternate grounds, its rejection of the third-party doctrine makes no difference to the result in this case. But the majority's disavowal of the third-party doctrine will have profound consequences in future cases in the Fourth Circuit. For unlike in cases arising in every other circuit to consider the matter, the government will have to obtain a search warrant supported by probable cause before obtaining even historical CSLI in this circuit.

third party will not be betrayed." <u>United States v. Miller</u>, 425 U.S. 435, 443 (1976). Accordingly, the government's acquisition of historical cell site location information (CSLI) from Defendants' cell phone provider did not implicate, much less violate, the Fourth Amendment.

I.

The Fourth Amendment ensures that "[t]he right of the people to be secure in their persons, houses, papers, and effects, against unreasonable searches and seizures, shall not be violated." U.S. Const. amend. IV. Broadly, "a Fourth Amendment search occurs when the government violates a subjective expectation of privacy that society recognizes as reasonable." Kyllo v. United States, 533 U.S. 27, 33 (2001).

In assessing whether such a search occurred, "it is important to begin by specifying precisely the nature of the state activity that is challenged." Smith, 442 U.S. at 741 (emphasis added). Here, that "activity" is the government's acquisition from a phone company, Sprint/Nextel, of CSLI records -- i.e., the records the phone company created that identify which cell towers it used to route Defendants' calls and messages. The government did not surreptitiously view, listen to, record, or in any other way engage in direct surveillance of Defendants to obtain this information. Rather, it was Sprint/Nextel alone that obtained the information, and generated

the business records, that Defendants now claim are constitutionally protected.

The nature of the governmental activity here thus critically distinguishes this case from those on which the majority relies -- cases in which the government did surreptitiously collect private information.<sup>2</sup> In United States v. Karo, 468 U.S. 705, 714-15 (1984), for instance, the Drug Enforcement Agency placed a beeper within a can of ether and received tracking information from the beeper while the can was inside a private residence. Similarly, in Kyllo, 533 U.S. at 34-35, the Department of the Interior used a thermal imager to

<sup>&</sup>lt;sup>2</sup> My colleagues acknowledge this distinction but dismiss it as "inconsequential." I cannot agree. It matters, for Fourth Amendment purposes, how the government acquires information. Just as the Supreme Court applies a different analysis depending on whether the government engages in a physical trespass, see United States v. Jones, 132 S. Ct. 945, 949-53 (2012), so too the Court applies a different analysis, in non-trespassory depending on whether the information at issue was voluntarily disclosed to a third party. See Smith, 442 U.S. at 743-44. Perhaps, in accord with the two lower court cases the majority cites, the Court will someday conclude that, given long-established statutory and common-law protections, the third-party doctrine does not apply to information a patient reveals to a doctor or a client to a lawyer -- i.e., that the patient and client do have reasonable expectations of privacy in information conveyed in the course of these confidential relationships. But see 1 Wayne R. LaFave, Search & Seizure: A Treatise on the Fourth Amendment § 2.7(d) (5th ed. 2012 & Supp. Clearly, however, the Court has already declined to recognize any reasonable expectation of privacy for information a phone company customer provides to the phone company. See Smith, 442 U.S. at 743-44.

gather "information regarding the interior of the home." And in <u>United States v. Jones</u>, 132 S. Ct. 945, 949 (2012), the FBI and local law enforcement secretly installed a GPS tracking device on a suspect's vehicle and monitored the vehicle's movements for four weeks.

On the basis of these cases, the majority contends that "the government invades a reasonable expectation of privacy when it relies upon technology not in general use to discover the movements of an individual over an extended period of time." Perhaps. But that question is not before us. The question we must answer is not whether, in the abstract, an individual has a reasonable expectation of privacy in his location and movements over time. Rather, the question before us is whether an individual has a reasonable expectation of privacy in a third party's records that permit the government to deduce this information. Karo, Kyllo, and Jones, all of which involve direct government surveillance, tell us nothing about the answer to that question.

Instead, the cases that establish the third-party doctrine provide the answer. Under the third-party doctrine, an individual can claim "no legitimate expectation of privacy" in information that he has voluntarily turned over to a third party. Smith, 442 U.S. at 743-44. The Supreme Court has reasoned that, by "revealing his affairs to another," an

individual "takes the risk . . . that the information will be conveyed by that person to the Government." Miller, 425 U.S. at 443. The Fourth Amendment does not protect information voluntarily disclosed to a third party because even a subjective expectation of privacy in such information is "not one that society is prepared to recognize as 'reasonable.'" Smith, 442 U.S. at 743 (internal quotation marks and citation omitted). The government therefore does not engage in a Fourth Amendment "search" when it acquires such information from a third party.

Applying the third-party doctrine to the facts of this case, I would hold that Defendants did not have a reasonable expectation of privacy in the CSLI recorded by Sprint/Nextel. The Supreme Court's reasoning in Smith controls. There, the defendant challenged the government's use of a pen register -- a device that could record the outgoing phone numbers dialed from his home telephone. Id. at 737. The Court held that the defendant could "claim no legitimate expectation of privacy" in the numbers he had dialed because he had "voluntarily conveyed" those numbers to the phone company by "'expos[ing]' that information to" the phone company's "equipment in the ordinary course of business." Id. at 744. The defendant thereby "assumed the risk that the company would reveal to police the numbers he dialed." Id.

Here, as in Smith, Defendants unquestionably "exposed" the information at issue to the phone company's "equipment in the ordinary course of business." Id. Each time Defendants made or received a call, or sent or received a text message -activities well within the "ordinary course" of cell phone ownership -- Sprint/Nextel generated a record of the cell towers The CSLI that Sprint/Nexel recorded was necessary to used. route Defendants' cell phone calls and texts, just as the dialed numbers recorded by the pen register in Smith were necessary to route the defendant's landline calls. Having "exposed" the CSLI to Sprint/Nextel, Defendants here, like the defendant in Smith, "assumed the risk" that the phone company would disclose their information to the government. Id. at 744. For these reasons, the government's acquisition of that information (historical CSLI) pursuant to § 2703(d) orders, rather than warrants, did not violate the Fourth Amendment.

Three other federal appellate courts have considered the Fourth Amendment question before us. Not one has adopted the majority's holding. Two of our sister courts have expressly held, as I would, that individuals do not have a reasonable expectation of privacy in historical CSLI records that the government obtains from cell phone service providers through a § 2703(d) order. See United States v. Davis, 785 F.3d 498, 511 (11th Cir. 2015) (en banc) (holding defendant had no

"objective[ly] reasonable expectation of privacy in MetroPCS's business records showing the cell tower locations wirelessly connected his calls"); In re Application of U.S. for Historical Cell Site Data, 724 F.3d 600, 615 (5th Cir. 2013) (In re Application (Fifth Circuit)) (holding the government can use "[s]ection 2703(d) orders to obtain historical cell information" without implicating the Fourth Amendment (emphasis omitted)). And although the third court opined that "[a] cell phone customer has not 'voluntarily' shared his information with a cellular provider in any meaningful way," it held that "CSLI from cell phone calls is obtainable under a § 2703(d) order," which "does not require the traditional probable cause determination" necessary for a warrant. Application of U.S. for an Order Directing a Provider of Elec. Commc'n Serv. to Disclose Records to Gov't, 620 F.3d 304, 313, 317 (3d Cir. 2010) (In re Application (Third Circuit)).

Even in the absence of binding circuit precedent, the vast majority of federal district court judges have reached the same conclusion.<sup>3</sup> Given this near unanimity of federal authority, the

<sup>3</sup> See, e.g., United States v. Epstein, No. 14-287, 2015 WL
1646838, at \*4 (D.N.J. Apr. 14, 2015) (Wolfson, J.); United
States v. Dorsey, No. 14-328, 2015 WL 847395, at \*8 (C.D. Cal.
Feb. 23, 2015) (Snyder, J.); United States v. Lang, No. 14-390,
2015 WL 327338, at \*3-4 (N.D. Ill. Jan. 23, 2015) (St. Eve, J.);
United States v. Shah, No. 13-328, 2015 WL 72118, at \*7-9
(E.D.N.C. Jan. 6, 2015) (Flanagan, J.); United States v.
(Continued)

majority is forced to rest its holding on three inapposite state cases and three district court opinions -- including one that has been vacated, In re Application of U.S. for Historical Cell Site Data, 747 F. Supp. 2d 827 (S.D. Tex. 2010), vacated, 724 F.3d 600 (5th Cir. 2013), and another that involves only prospective and real-time CSLI, In re Application of U.S. for an Order Authorizing Disclosure of Location Info. of a Specified Wireless Tel., 849 F. Supp. 2d 526, 535 & n.4 (D. Md. 2011).4

Martinez, No. 13-3560, 2014 WL 5480686, at \*3-5 (S.D. Cal. Oct. 28, 2014) (Hayes, J.); United States v. Rogers, No. 13-952, 2014 WL 5152543, at \*3-4 (N.D. Ill. Oct. 9, 2014) (Kocoras, J.); United States v. Giddins, 57 F. Supp. 3d 481, 491-94 (D. Md. 2014) (Quarles, J.); United States v. Banks, 52 F. Supp. 3d 1201, 1204-06 (D. Kan. 2014) (Crabtree, J.); United States v. Serrano, No. 13-0058, 2014 WL 2696569, at \*6-7 (S.D.N.Y. June 10, 2014) (Forrest, J.); United States v. Moreno-Nevarez, No. 13-0841, 2013 WL 5631017, at \*1-2 (S.D. Cal. Oct. 2, 2013) (Benitez, J.); United States v. Rigmaiden, No. 08-814, 2013 WL 1932800, at \*14 (D. Ariz. May 8, 2013) (Campbell, J.); United States v. Gordon, No. 09-153-02, 2012 WL 8499876, at \*2 (D.D.C. Feb. 6, 2012) (Urbina, J.); United States v. Benford, No. 09-86, 2010 WL 1266507, at \*2-3 (N.D. Ind. Mar. 26, 2010) (Moody, J.); In re Application of the U.S. for an Order Authorizing the Disclosure of Cell Site Location Info., No. 08-6038, 2009 WL 8231744, at \*9-11 (E.D. Ky. Apr. 17, 2009) (Wier, Mag. J.); In re Applications of U.S. for Orders Pursuant to Title 18, U.S. Code Section 2703(d), 509 F. Supp. 2d 76, 79-82 (D. Mass. 2007) (Stearns, J.). But see United States v. Cooper, No. 13-00693, 2015 WL 881578, at \*6-8 (N.D. Cal. Mar. 2, 2015) (Illston, J.); In re Application of U.S. for an Order Authorizing the Release of Historical Cell-Site Info., 809 F. Supp. 2d 113, 120-27 (E.D.N.Y. 2011) (Garaufis, J.).

<sup>&</sup>lt;sup>4</sup> Two of the state cases do not even interpret the Fourth Amendment, but instead rely on broader state constitutional protections. See Commonwealth v. Augustine, 4 N.E.3d 846, 858 (Continued)

In sum, the majority's holding lacks support from all relevant authority and places us in conflict with the Supreme Court and three other federal appellate courts.

II.

Despite the lack of support for its position, the majority insists that the third-party doctrine does not apply here. The majority maintains that "a cell phone user does not 'convey' CSLI to her service provider at all — voluntarily or otherwise — and therefore does not assume any risk of disclosure to law enforcement." This is the analytical lynchpin of my colleagues' holding. 5 By my count, they invoke a cell phone user's asserted

<sup>(</sup>Mass. 2014) (finding "no need to wade into the[] Fourth Amendment waters" when the court could rely on article 14 of the Massachusetts Declaration of Rights); State v. Earls, 70 A.3d 641-42 (N.J. 2013) (explaining that New Jersey has "departed" from Smith and Miller and does not recognize the third-party doctrine). And the court in the third state case repeatedly pointed out that it was not considering "historical cell site location records" -- like those at issue here -- but "real time cell site location information," which had been obtained, not through a § 2703(d) order, but under an order that had authorized only a "pen register" and "trap and trace device." Tracey v. State, 152 So. 3d 504, 506-08, 515-16, 526 (Fla. 2014). Thus, contrary to my colleagues' charge, it is not the dissent, but rather cases on which the majority relies, that "have suggested" that there are different privacy interests in "real-time" versus "historical" location information. See id.; see also In re Application of U.S. for an Order Authorizing Disclosure of Location Info. of a Specified Wireless Tel., 849 F. Supp. 2d 526, 535-39 (D. Md. 2011).

<sup>&</sup>lt;sup>5</sup> My colleagues also emphasize the general "sensitiv[ity]" of location information. But to the extent they do so to argue (Continued)

lack of "voluntariness" no less than twenty times in their discussion of the third-party doctrine. But my colleagues' holding that cell phone users do not voluntarily convey CSLI misapprehends the nature of CSLI, attempts to redefine the third-party doctrine, and rests on a long-rejected factual argument and the constitutional protection afforded a communication's content.

Α.

With respect to the nature of CSLI, there can be little question that cell phone users "convey" CSLI to their service providers. After all, if they do not, then who does? Perhaps the majority believes that because a service provider generates a record of CSLI, the provider just conveys CSLI to itself. But before the provider can create such a record, it must receive information indicating that a cell phone user is relying on a

that the third-party doctrine does not apply to CSLI, they are mistaken. The third-party doctrine clearly covers information regarded as comparably "sensitive" to location information, like financial records, <u>Miller</u>, 425 U.S. at 442, and phone records, Smith, 442 U.S. at 745. Indeed, the public polling study the attempting to majority twice cites in establish "sensitivity" of CSLI relates that a similar number of adults regard the phone numbers they call to be just as "sensitive" as location data. Pew Research Ctr., Public Perceptions of Privacy Security in the Post-Snowden Era 34 - 35http://www.pewinternet.org/files/2014/11/PI\_PublicPerceptionsof This is so even though the location data Privacy\_111214.pdf. that the study asked about (GPS) is far more precise than the CSLI at issue here. See id. at 34.

particular cell tower. The provider only receives that information when a cell phone user's phone exchanges signals with the nearest available cell tower. A cell phone user therefore "conveys" the location of the cell towers his phone connects with whenever he uses the provider's network.

There is similarly little question that cell phone users convey CSLI to their service providers "voluntarily." See Davis, 785 F.3d at 512 n.12 ("Cell phone users voluntarily convey cell tower location information to telephone companies in the course of making and receiving calls on their cell phones."). This is so, as the Fifth Circuit explained, even though a cell phone user "does not directly inform his service provider of the location of the nearest cell phone tower." In re Application (Fifth Circuit), 724 F.3d at 614.

Logic compels this conclusion. When an individual purchases a cell phone and chooses a service provider, he expects the provider will, at a minimum, place outgoing calls, send text messages, and route incoming calls and messages. As most cell phone users know all too well, however, proximity to a cell tower is necessary to complete these tasks. Anyone who has stepped outside to "get a signal," or has warned a caller of a potential loss of service before entering an elevator, understands, on some level, that location matters. See id. at 613 ("Cell phone users recognize that, if their phone cannot

pick up a signal (or 'has no bars'), they are out of the range of their service provider's network of towers.").

A cell phone user thus voluntarily enters an arrangement with his service provider in which he knows that he must maintain proximity to the provider's cell towers in order for his phone to function. Whenever he expects his phone to work, he is thus permitting -- indeed, requesting -- his service provider to establish a connection between his phone and a nearby cell tower. A cell phone user therefore voluntarily conveys the information necessary for his service provider to identify the CSLI for his calls and texts. And whether the service provider actually "elects to make a . . . record" of this information "does not . . . make any constitutional difference." Smith, 442 U.S. at 745.

To be sure, some cell phone users may not recognize, in the moment, that they are "conveying" CSLI to their service provider. See In re Application (Third Circuit), 620 F.3d at 317. But the Supreme Court's use of the word "voluntarily" in Smith and Miller does not require contemporaneous recognition of every detail an individual conveys to a third party. 6 Rather,

 $<sup>^6</sup>$  If it were otherwise, as my colleagues appear to believe, then courts would frequently need to parse business records for indicia of what an individual  $\underline{\text{knew}}$  he conveyed to a third party. For example, when a person hands his credit card to the cashier at a grocery store, he may not pause to consider that he is also (Continued)

these cases make clear that the third-party doctrine does not apply when an individual <u>in</u>voluntarily conveys information -- as when the government conducts surreptitious surveillance or when a third party steals private information.

Thus, this would be a different case if Sprint/Nextel had misused its access to Defendants' phones and secretly recorded, at the government's behest, information unnecessary to the provision of cell service. Defendants did not assume that risk when they made calls or sent messages. But like the defendant in Smith, 442 U.S. at 747, Defendants here did "assume the risk" that the phone company would make a record of the information necessary to accomplish the very tasks they paid the phone company to perform. They cannot now protest that providing this essential information was involuntary.

В.

To justify its rejection of the third-party doctrine, the majority attempts to redefine it. The majority maintains that the third-party doctrine does not apply to CSLI because a cell

<sup>&</sup>quot;conveying" to his credit card company the date and time of his purchase or the store's street address. But he would hardly be able to use that as an excuse to claim an expectation of privacy if those pieces of information appear in the credit card company's resulting records of the transaction. Cf. United States v. Phibbs, 999 F.2d 1053, 1077-78 (6th Cir. 1993) (Defendant "did not have both an actual and a justifiable privacy interest in . . his credit card statements.").

phone user need not "actively submit any location-identifying information when making a call or sending a message." My colleagues apparently believe that an individual only "voluntarily convey[s]" information he "actively submit[s]," but such a rule is nowhere to be found in either Miller or Smith. Moreover, this purported requirement cannot be squared with the myriad of federal cases that permit the government to acquire third-party records, even when individuals do not "actively submit" the information contained in the records.

For starters, courts have attached no constitutional significance to the distinction between records of incoming versus outgoing phone calls. The technology the police used in Smith -- a pen register -- recorded only the numbers dialed by a It did not (and could not) record any suspect's phone. information about incoming calls. To capture that information, police routinely use a "trap and trace" device. If the majority were correct that the third-party doctrine applies only when an individual "actively submit[s]" information, then any effort to acquire records of incoming phone calls would constitute a search protected by the Fourth Amendment. After all, the phone customer never "actively submits" to the phone company --"voluntarily or otherwise" -- the numbers from telephone calls. Only the user on the other end of the line, who actually dials the numbers, does so.

But federal courts have <u>not</u> required a warrant supported by probable cause to obtain such information. Rather, they routinely permit the government to install "trap and trace" devices without demonstrating probable cause or even reasonable suspicion, the showing required for § 2703(d) orders. <u>See, e.g., United States v. Reed, 575 F.3d 900, 914 (9th Cir. 2009); United States v. Hallmark, 911 F.2d 399, 402 (10th Cir. 1990). And recently we held that police "did not violate the Fourth Amendment" when obtaining a defendant's "cellular phone records," even though the records included "basic information regarding <u>incoming</u> and outgoing calls on that phone line." <u>United States v. Clenney</u>, 631 F.3d 658, 666-67 (4th Cir. 2011) (emphasis added).</u>

Moreover, outside the context of phone records, we have held that third-party information relating to the sending and routing of electronic communications does not receive Fourth Amendment protection. United States v. Bynum, 604 F.3d 161, 164

<sup>&</sup>lt;sup>7</sup> Nor has this court ever suggested that other information typically contained in phone records -- the date, time, and duration of each call, for example -- merits constitutional protection. Yet a phone customer never "actively submits" this information either. Rather, this information is, to borrow a phrase from the majority opinion, "quietly and automatically calculated" by the phone company "without unusual or overt intervention that might be detected by the target user." If individuals "voluntarily convey" all of this information to their phone companies, I see no basis for drawing the line at CSLI. Notably, the majority does not provide one.

(4th Cir. 2010). In <u>Bynum</u>, we explained that it "would not be objectively reasonable" for a defendant to expect privacy in his phone and Internet subscriber records, including "his name, email address, telephone number, and physical address." <u>Id.</u> Although we had no occasion in <u>Bynum</u> to consider whether an individual has a protected privacy interest in his Internet Protocol (IP) address, <u>id.</u> at 164 n.2, several of our sister circuits have concluded that no such interest exists. <u>See United States v. Suing</u>, 712 F.3d 1209, 1213 (8th Cir. 2013); United States v. Christie, 624 F.3d 558, 574 (3d Cir. 2010).

And as the majority itself recognizes, the Ninth Circuit has held that "e-mail and Internet users have no expectation of privacy in . . . the IP addresses of the websites they visit."

<u>United States v. Forrester</u>, 512 F.3d 500, 510 (9th Cir. 2008).

The <u>Forrester</u> court also held that there is no reasonable expectation of privacy in either the to/from addresses of a user's emails or the "total amount of data transmitted to or from [a user's] account." <u>Id.</u> at 510-11. The court found the government's acquisition of this information "constitutionally indistinguishable from the use of a pen register that the Court approved in <u>Smith</u>," in part because "e-mail and Internet users, like the telephone users in <u>Smith</u>, rely on third-party equipment in order to engage in communication." Id. at 510.

Of course, computer users do "actively submit" some of the information discussed in the above cases, like the "to" address in an email and the subscriber information conveyed when signing up for Internet service. But users do not actively submit other pieces of information, like an IP address or the amount of data transmitted to their account. Internet service providers automatically generate that information. See Christie, 624 F.3d at 563; Forrester, 512 F.3d at 511.

If the majority is correct that the Fourth Amendment protects information individuals do not "actively submit" to third parties, then it should trouble my colleagues that we and our sister circuits have consistently failed to recognize this protection. Yet nowhere in their opinion do my colleagues even attempt to grapple with these cases or to reconcile the rule they announce with the previous applications of the third-party doctrine. Today's decision is a holding in search of a coherent legal principle; my colleagues have offered none.

C.

Instead, my colleagues rely on an argument long rejected by the Supreme Court and a series of cases involving the <u>content</u> of communications to support their holding that CSLI is protected by the Fourth Amendment.

First, my colleagues emphasize that cell phone use is "ubiquitous in our society today" and "essential to full

cultural and economic participation." To the majority, such "ubiquitous" and "essential" use shields CSLI from the consequences of the third-party doctrine. For, the majority contends, cell phone users cannot be held to voluntarily "forfeit expectations of privacy by simply seeking active participation in society through use of their cell phones."

the dissenting justices But in Miller and Smith unsuccessfully advanced nearly identical concerns. Dissenting in Miller, Justice Brennan contended that "the disclosure by individuals or business firms of their financial affairs to a bank is not entirely volitional, since it is impossible to participate in the economic life of contemporary society without maintaining a bank account." 425 U.S. at 451 (Brennan, J., dissenting) (internal quotation marks and citation omitted). And dissenting in Smith, Justice Marshall warned that "unless a person is prepared to forgo use of what for many has become a personal or professional necessity," i.e., a telephone, "he cannot help but accept the risk of surveillance." 442 U.S. at 750 (Marshall, J., dissenting). It was, in Justice Marshall's view, "idle to speak of 'assuming' risks in contexts where, as a practical matter, individuals have no realistic alternative." The Supreme Court has thus twice rejected the majority's Id. "ubiquitous" and "essential" theory. Until the Court says otherwise, these holdings bind us.

Second, the majority relies on cases that afford Fourth Amendment protection to the content of communications to suggest that CSLI warrants the same protection. See Ex parte Jackson, 96 U.S. 727, 733 (1877) (content of letters and packages); Katz v. United States, 389 U.S. 347, 353 (1967) (content of telephone calls); United States v. Warshak, 631 F.3d 266, 287 (6th Cir. 2010) (content of emails). What the majority fails to acknowledge is that for each medium of communication these cases address, there is also a case expressly withholding Fourth Amendment protection from non-content information, i.e., information involving addresses and routing. See Jackson, 96 U.S. at 733 (no warrant needed to examine the outside of letters and packages); Smith, 442 U.S. at 743-44 (no reasonable expectation of privacy in phone numbers dialed); Forrester, 512 F.3d at 510 (no reasonable expectation of privacy in the to/from addresses of emails); 132 S. Ct. accord Jones, (Sotomayor, J., concurring) (noting the Fourth Amendment does not currently protect "phone numbers" disclosed to companies and "e-mail addresses" disclosed to Internet service providers).

The Supreme Court has thus forged a clear distinction between the contents of communications and the non-content information that enables communications providers to transmit

the content.<sup>8</sup> CSLI, which reveals the equipment used to route calls and texts, undeniably belongs in the non-content category.

My colleagues apparently disagree with this conclusion. They posit that CSLI is "of course more than simple routing information" because "it tracks a cell phone user's location across specific points in time." But all routing information "tracks" some form of activity when aggregated over time. The postmark on letters "tracks" where a person has deposited his correspondence in the mail; a pen register "tracks" every call a person makes and allows the government to know precisely when he is at home; credit card records "track" a consumer's purchases, including the location of the stores where he made them. course, CSLI is not identical to any of these other forms of routing information, just as cell phones are not identical to other modes of communication. But it blinks at reality to hold that CSLI, which contains no content, somehow constitutes a communication of content for Fourth Amendment purposes.

<sup>&</sup>lt;sup>8</sup> In addition to being firmly grounded in the case law, the content/non-content distinction makes good doctrinal sense. The intended recipient of the content of communication is not the third party who transmits it, but the person called, written, emailed, or sent texts. The routing and addressing information, by contrast, is intended for the third parties who facilitate such transmissions.

That the majority attempts to blur this clear distinction<sup>9</sup> further illustrates the extent to which its holding is a constitutional outlier -- untenable in the abstract and bizarre in practice. Case in point: As I understand the majority's view, the government could legally obtain, without a warrant, all data in the Sprint/Nextel records admitted into evidence here, except the CSLI. If that is so, then the line in this case between a Fourth Amendment "search" and "not a search" is the literal line that, moving left to right across the Sprint/Nextel spreadsheets, separates the seventh column from the eighth. See J.A 2656; see also J.A. 1977-79. The records to the left of that line list the source of a call, the number dialed, the date and time of the call, and the call's duration --

<sup>9</sup> I note that my concurring colleague's concern about a general "erosion of privacy" with respect to cell phones rests on a similar misapprehension of this distinction. My friend worries about protecting the large quantity of information "stored on the phone and on remote servers." And if all that information were indeed at risk of disclosure, I would share her But the Supreme Court has already made clear that police must "get a warrant" to search a cell phone for content stored on the phone -- even for a call log listing the phone numbers a suspect has dialed. Riley v. California, 134 S. Ct. 2473, 2492, 2495 (2014). Moreover, the Riley Court suggested this rule would also apply to content stored on remote servers, i.e., the "cloud," given that "the same type of data may be stored locally on the device for one user and in the cloud for Id. at 2491. These are clear limiting principles. Holding, as I would, that the government may acquire, without a warrant, non-content routing information (including historical CSLI) would not send us down any slippery slope.

- all of which the government can acquire without triggering Fourth Amendment protection. The records to the right of that line list the cell phone towers used at the start and end of each call -- information the majority now holds is protected by the Fourth Amendment. Constitutional distinctions should be made of sturdier stuff.

III.

Technology has enabled cell phone companies, like Sprint/Nextel, to collect a vast amount of information about their customers. The quantity of data at issue in this case -- seven months' worth of cell phone records, spanning nearly 30,000 calls and texts for each defendant -- unquestionably implicates weighty privacy interests.

At bottom, I suspect discomfort with the <u>amount</u> of information the government obtained here, rather than any distinction between CSLI and other third-party records, motivates today's decision. That would certainly explain the majority's suggestion that the government can acquire <u>some</u> amount of CSLI "before its inspection rises to the level of a Fourth Amendment search." But this concession is in fatal

<sup>10</sup> It is unclear from my concurring colleague's opinion, which simply asserts that "cell site location information . . . cannot be obtained without a warrant," whether she agrees that the government can acquire a small quantity of CSLI without engaging in a Fourth Amendment "search."

tension with the majority's rationale for finding a Fourth Amendment violation here. After all, the majority maintains that every piece of CSLI has the potential to "place an individual . . . at the person's home," that no piece of CSLI is voluntarily conveyed, and that the government can never know before it acquires CSLI whether the information "will detail the cell phone user's movements in private spaces." If all of this is true (and I doubt it is) 12, then why does a cell phone user have a reasonable expectation of privacy in only large quantities of CSLI?

The majority's answer appears to rest on a misunderstanding of the analysis embraced in the two concurring opinions in

 $<sup>^{11}</sup>$  The lack of a bright line between permissible and impermissible amounts of CSLI also stands at odds with the Supreme Court's "general preference to provide clear guidance to law enforcement through categorical rules." Riley v. California, 134 S. Ct. 2473, 2491 (2014). I do not envy the law enforcement officers and district courts in this circuit who now must attempt to divine this line.

<sup>12</sup> Contrary to the majority's suggestion, and unlike the information in <u>Karo</u> and <u>Jones</u>, CSLI does not enable the government to "place an individual" at home or at other private locations. Each of the cell sites at issue here covers an area with a radius of up to two miles, and each data point of CSLI corresponds to a roughly 120-degree sector of a cell site's coverage area. That translates to an area of more than four square miles in which it would be possible to "locate" a cell phone user. Although I do not think the applicability of the Fourth Amendment hinges on the precision of CSLI, it is premature to equate CSLI with the far more accurate forms of surveillance the majority cites.

Jones. There, the concurring justices recognized a line between "short-term monitoring of a person's movements on public streets," which would not infringe a reasonable expectation of privacy, and "longer term GPS monitoring," which would. Jones, 132 S. Ct. at 964 (Alito, J., concurring in the judgment); see also id. at 955 (Sotomayor, J., concurring). But Jones involved government surveillance of an individual, not an individual's voluntary disclosure of information to a third party. And determining when government surveillance infringes on an individual's reasonable expectation of privacy requires a very different analysis.

In considering the legality of the government surveillance at issue in Jones, Justice Alito looked to what a hypothetical law enforcement officer or third party, engaged in visual surveillance, could reasonably have learned about the defendant. He concluded that four weeks of GPS monitoring constituted a Fourth Amendment "search" because "society's expectation" had always been "that law enforcement agents and others would not -- and indeed, in the main, simply could not -- secretly monitor and catalogue" an individual's movements in public for very long. Id. at 964 (Alito, J., concurring in the judgment) (emphasis added). In other words, when a defendant has not disclosed his location to any particular third party, the government may nonetheless surveil him, without a warrant, for

as long as a <u>hypothetical</u> third party could reasonably "monitor and catalogue" his movements in person.

When, however, an individual has voluntarily conveyed his location to an <u>actual</u> third party, as Defendants did here, a court need not resort to hypotheticals to determine whether he justifiably expected that information to remain private. Here, we know that Defendants had already disclosed all the CSLI at issue to Sprint/Nextel before the government acquired the phone company's records. And the very act of disclosure negated any reasonable expectation of privacy, regardless of how frequently that disclosure occurred. The majority ignores these critical facts, applying the same constitutional requirements for location information acquired directly through GPS tracking by the <u>government</u> to historic CSLI that has already been disclosed to a third party.

I recognize the appeal -- if we were writing on a clean slate -- in holding that individuals always have a reasonable expectation of privacy in large quantities of location information, even if they have shared that information with a phone company. But the third-party doctrine does not afford us that option. Intrinsic to the doctrine is an assumption that the quantity of information an individual shares with a third party does not affect whether that individual has a reasonable expectation of privacy. Although third parties have access to

much more information now than they did when the Supreme Court decided Smith, the Court was certainly then aware of the privacy implications of the third-party doctrine. Justice Stewart warned the Smith majority that "broadcast[ing] to the world a list of the local or long distance numbers" a person has called could "reveal the most intimate details of [that] person's Smith, 442 U.S. at 748 (Stewart, J., dissenting). life." That is, in essence, the very warning that persuades the majority today. But the Supreme Court was unmoved by the argument then, and it is not our place to credit it now. If individuals lack any legitimate expectation of privacy in information they share with a third party, then sharing more non-private information with that third party cannot change the calculus.

Application of the third-party doctrine does not, however, render privacy an unavoidable casualty of technological progress. After all, Congress and state legislatures are far better positioned to respond to changes in technology than are the courts. See Jones, 132 S. Ct. at 964 (Alito, J., concurring in the judgment) ("A legislative body is well situated to gauge changing public attitudes, to draw detailed lines, and to balance privacy and public safety in a comprehensive way."); see also In re Application (Fifth Circuit), 724 F.3d at 615 (explaining that that the proper "recourse" for those seeking

increased privacy is often "in the market or the political process"). $^{13}$ 

The very statute at issue here, the Stored Communications Act (SCA), demonstrates that Congress can -- and does -- make these judgments. The SCA imposes a higher burden on the government for acquiring "the contents of a wire or electronic communication" than for obtaining "a record . . . pertaining to a subscriber . . . or customer" of an electronic communication service. 18 U.S.C. §§ 2703(a), (c). And the SCA is part of a broader statute, the Electronic Communications Privacy Act of 1986 (ECPA), which was enacted in the wake of <a href="Smith">Smith</a>. See Pub.

L. No. 99-508, 100 Stat. 1848. In the ECPA, Congress responded directly to <a href="Smith">Smith</a>'s holding by requiring the government to obtain a court order before installing a pen register or "trap

 $<sup>^{13}</sup>$  The majority posits that it is our responsibility to ensure that "a technological advance alone cannot constrict Fourth Amendment protection for private matters that would otherwise be hidden or inaccessible." But this is simply an incorrect statement of Fourth Amendment law. As the Supreme Court explained in Kyllo, "[i]t would be foolish to contend that the degree of privacy secured to citizens by the Fourth Amendment has been entirely unaffected by the advance of technology." 533 U.S. at 33-34. The "technology enabling human flight," for example, "has exposed to public view . . . uncovered portions of the house and its curtilage that once were private." Id. at 34. And yet the Court held in California v. <u>Ciraolo</u>, 476 U.S. 207, 215 (1986), and again in <u>Florida v.</u> Riley, 488 U.S. 445, 450 (1989), that police observations of the curtilage from an aircraft do not implicate the Fourth Amendment. See Kyllo, 533 U.S. at 34.

and trace" device. <u>See</u> 18 U.S.C. § 3121(a). Although Congress could undoubtedly do more, it has not been asleep at the switch.

Ultimately, of course, the Supreme Court may decide to revisit the third-party doctrine. Justice Sotomayor has suggested that the doctrine is "ill suited to the digital age, in which people reveal a great deal of information about themselves to third parties in the course of carrying out mundane tasks." Jones, 132 S. Ct. at 957 (Sotomayor, J., concurring). Indeed, although the Court formulated the third-party doctrine as an articulation of the reasonable-expectation-of-privacy inquiry, it increasingly feels like an exception. A per se rule that it is unreasonable to expect privacy in information voluntarily disclosed to third parties seems unmoored from current understandings of privacy.

The landscape would be different "if our Fourth Amendment jurisprudence cease[d] to treat secrecy as a prerequisite for privacy." Id. But until the Supreme Court so holds, we are

<sup>14</sup> Seizing on the word "exception," my colleagues suggest that I advocate "an expansion" of the third-party doctrine. They misinterpret my statement as to what the third-party doctrine has become for a statement as to what the doctrine This mistake is puzzling given my colleagues' should be. reliance on Justice Sotomayor's opinion in Jones. It is clear from her opinion, though not from the majority's retelling, that tailoring the Fourth Amendment to "the digital age" would, in Justice Sotomayor's view, require to the Supreme Court "reconsider" the third-party doctrine. See Jones, 132 S. Ct. at 957 (Sotomayor, J., concurring).

bound by the contours of the third-party doctrine as articulated by the Court. See, e.g., Agostini v. Felton, 521 U.S. 203, 237 (1997) (reversing the Second Circuit but noting that it had correctly applied then-governing law, explaining that "if a precedent of this Court has direct application in a case, yet appears to rest on reasons rejected in some other line of decisions, the Court of Appeals should follow the case which directly controls" (internal quotation marks, alteration, and citation omitted)). Applying the third-party doctrine, consistent with controlling precedent, I can only conclude that the Fourth Amendment did not protect Sprint/Nextel's records of Defendants' CSLI. Accordingly, I would hold that the government legally acquired those records through § 2703(d) orders.

\* \* \*

Time may show that my colleagues have struck the proper balance between technology and privacy. But if the majority is proven right, it will only be because the Supreme Court revises its decades-old understanding of how the Fourth Amendment treats information voluntarily disclosed to third parties. Today the majority endeavors to beat the Supreme Court to the punch. Respectfully, I dissent.