

Wisconsin Department of Justice

Initiating Case Report 23-4795

Report Date: 06/16/2023

Primary Information

Description: Case Initiation Report William Steven Boardman - Vernon County OID
Reporting LEO: Haverley, Michael (Wisconsin Department of Justice)
Report Status: Approved
Report Status Date: 06/29/2023
Approved By: Vosters, Jake E (Wisconsin Division of Criminal Investigation)

Agency Reference Numbers

Agency	Case/File Number
Vernon County Sheriff's Office	CFS23-12398

Addresses

Relationship	Address
Case Request Location	Vernon County, Wisconsin United States of America

Subjects

Relationship	Name	Bio	DOB
Deceased	Boardman, William S (Person)	61 yr. old, White, Male	

Vehicles

Relationship	Tag #	VIN #	VehicleDescription
Subject's Vehicle	SJ2723	1B7GG26N11S113521	2001 Dodge Dakota (Black) - Truck

Narrative begins on the following page.

Wisconsin Division of Criminal Investigation Case Report
Case/Report Number: 23-4795 Initiating Case Report

On Friday, June 16, 2023, the Vernon County Sheriff's Office (VCSO) was involved in an officer-involved critical incident (OICI) on Highway 35 between the Village of Genoa and Gianoli Road in Vernon County, Wisconsin.

VCSO deputies responded to a residence located at S5074 State Highway 35, Genoa, Wisconsin 54632 for a check welfare. During that contact, the male subject left his residence in his pickup truck and a traffic stop was conducted on Highway 35 south of Gianoli Road by a VCSO Deputy. The Deputy that was initially at the residence arrived at the traffic stop location. As Deputies were still in contact with the male subject, he began traveling away from the traffic stop location. The male subject had been told that he was not free to leave and to get his keys out of the ignition.

That VCSO Deputy ended up hanging onto the male subject's vehicle as the vehicle continued northbound on Highway 35. The Deputy ordered the subject to stop. The Deputy fired one round striking the subject. The Deputies then got the subject's vehicle to slow and stop. First aid was rendered, but the subject died at the scene.

VCSO requested the Wisconsin Department of Justice - Division of Criminal Investigation (WI DOJ-DCI) complete the OICI investigation. Special Agent in Charge (SAC) Jake Vosters received the request as DCI Coordinator for this OICI investigation. Special Agent (SA) Michael Haverley was assigned as DCI Lead Investigator for this OICI investigation. Additional WI DOJ-DCI Special Agents responded from Eau Claire and Madison.

RECOMMENDATION:

It is recommended that an active case file be opened to act as a repository for all investigative reports related to the OICI.

Wisconsin Division of Criminal Investigation

Interview 23-4795/1

Report Date: 06/19/2023

Primary Information

Description: Interview of [REDACTED] and [REDACTED] - 06/16/2023
Occurrence From: 06/16/2023 23:15
Occurrence To: 06/16/2023 23:59
Reporting LEO: Beardsley, Wade A (ICAC & Computer Crimes DCI / Wisconsin Division of Criminal Investigation)
Backup LEO: Maske, Lance A (Eau Claire HT DCI / Wisconsin Division of Criminal Investigation)
Report Status: Approved
Report Status Date: 06/29/2023
Approved By: Vosters, Jake E (Wisconsin Division of Criminal Investigation)

Synopsis

On Friday, June 16, 2023, at approximately 11:15 P.M., Wisconsin Department of Justice, Division of Criminal Investigation (DCI) Special Agents Wade Beardsley and Lance Maske, interviewed [REDACTED], F/W, DOB [REDACTED], and [REDACTED], M/W, DOB [REDACTED], at the Genoa Harmony Fire Rescue building, located at 126 Main St, Genoa, WI 54632.

Addresses

Relationship	Address
Interview Location	126 Main St, GENOA, Wisconsin 54632 United States of America

Subjects

Relationship	Name	Bio	DOB
Interviewed	[REDACTED] (Person)	28 yr. old, White, Female	[REDACTED]
Interviewed	[REDACTED] (Person)	29 yr. old, White, Male	[REDACTED]
Mentioned	[REDACTED] (Person)	White, Male	---
Mentioned	Boardman, William S (Person)	61 yr. old, White, Male	[REDACTED]

Telephones / E-Addresses

Relationship	Number/E-Address
Subject's Telephone	(651) [REDACTED] (Cellular)
Subject's Telephone	(651) [REDACTED] (Cellular)

Narrative begins on the following page.

Wisconsin Division of Criminal Investigation Case Report

Case/Report Number: 23-4795/1 Interview of [REDACTED] and [REDACTED] - 06/16/2023

On Friday, June 16, 2023, at approximately 11:15 P.M., Wisconsin Department of Justice, Division of Criminal Investigation (DCI) Special Agents Wade Beardsley and Lance Maske, interviewed [REDACTED], F/W, DOB [REDACTED], and [REDACTED], M/W, DOB [REDACTED], at the Genoa Harmony Fire Rescue building, located at 126 Main St, Genoa, WI 54632. Also present during the interview was DCI Crime Response Specialist Jacqueline Larsen. [REDACTED]'s father was William S Boardman, M/W, DOB [REDACTED]. [REDACTED] and [REDACTED] are in a relationship. All individuals listed in the interview will be identified by their last names.

The below is an interview summary. It is not intended to be a verbatim account and does not memorialize all statements made during the interview. Communications by the parties in the interview were electronically recorded. The recording documents the actual words spoken. The audio recorded interview was uploaded to the Critical Incident folder under this case / report number.

SA Beardsley introduced himself as a Special Agent with the Wisconsin Department of Justice and introduced SA Maske and Crime Response Specialist Jacqueline Larsen. SA Beardsley provided an opportunity for [REDACTED] to view his law enforcement credentials. The interview was conducted within a conference room inside the fire department.

SA Beardsley obtained the following information from [REDACTED] and [REDACTED]:

[REDACTED]
DOB: [REDACTED]
Phone: 651-[REDACTED]
Address: [REDACTED]
E-mail: [REDACTED]@gmail.com

[REDACTED]
DOB: [REDACTED]
Phone: 651-[REDACTED]
E-mail: [REDACTED]@gmail.com

[REDACTED] stated she hadn't previously seen her father, William Boardman, since December of 2022. [REDACTED] stated that her grandparents were both killed at the residence where Boardman lived several years ago. [REDACTED] stated her grandfather, Boardman's father, "blew up" the basement of the residence when [REDACTED] was about seven years old. [REDACTED] stated Boardman was present when it happened and tried "putting him out" to save him but her grandfather succumbed to his injuries seven days later. Years later, [REDACTED] stated her father came home from the bar, opened the door to the residence and the "house blew up", which resulted in [REDACTED]'s grandmother, Boardman's mother, being killed. [REDACTED] stated Boardman rebuilt the house after her grandmother died on the same foundation. [REDACTED] stated since that incident, Boardman had been using methamphetamine heavily and deteriorating mentally.

Wisconsin Division of Criminal Investigation Case Report

Case/Report Number: 23-4795/1 Interview of [REDACTED] and [REDACTED] - 06/16/2023

[REDACTED] stated that methamphetamine didn't "sit right" with Boardman. [REDACTED] stated that her father would become paranoid when he used methamphetamine. [REDACTED] stated her father had previously been committed to a hospital in California for methamphetamine addiction many years ago. [REDACTED] stated Boardman's methamphetamine use had been continually getting worse through the years. [REDACTED] stated Boardman had been "going crazy" and described Boardman as talking to walls. [REDACTED] described Boardman's residence as completely destroyed. [REDACTED] stated "everything is upside down, broken, shattered..." [REDACTED] stated there were no complete walls in Boardman's residence because there were so many holes. [REDACTED] stated electrical power to Boardman's residence had previously been turned off.

[REDACTED] stated she went over to Boardman's residence with [REDACTED] tonight and knocked on the door. [REDACTED] stated Boardman slammed the door in [REDACTED]'s face. [REDACTED] stated she was Boardman's only child so for Boardman to do that, [REDACTED] knew things were not right with her father. Eventually [REDACTED] did speak to her father. [REDACTED] stated that Boardman had a couple people staying on his property in a separate trailer and Boardman wanted them gone. [REDACTED] stated prior to her arrival, these individuals had left along with their camper. Boardman asked [REDACTED] "Aren't you going to ask why the house is like this?" [REDACTED] stated that Boardman told her that the neighbors were flying drones and were "fucking with his electric and everything." Boardman also told [REDACTED] that the neighbors were putting cameras inside his house. [REDACTED] stated her father was exhibiting extreme paranoia but stated it was "beyond that, like he is mentally ill." [REDACTED] advised she called dispatch tonight in hopes of getting her father committed to a hospital due to his mental state.

[REDACTED] stated the last time she saw Boardman prior to today was over Christmas because she knew her father wasn't okay. [REDACTED] stated she brought Boardman to her residence for a couple days. [REDACTED] described her father as "being weird, staring at the wall." [REDACTED] described Boardman as moving his mouth and jaw continuously while moving his arms. [REDACTED] asked her father what he was doing and Boardman stated he was "going through a tunnel." [REDACTED] stated she hadn't talked to Boardman since December when he was at her residence.

[REDACTED] said her boyfriend, [REDACTED], was coming back from Darlington a couple days ago and was going to be in the area of Boardman's residence. [REDACTED] stated [REDACTED] went to Boardman's residence to check on him, but he never answered. [REDACTED] and [REDACTED] believed that Boardman was "barricaded in the house." [REDACTED] stated after [REDACTED] wasn't able to reach Boardman, [REDACTED] contacted her uncle, [REDACTED] by phone. [REDACTED] advised [REDACTED] that something wasn't right with Boardman and was worried he was going to hurt himself. [REDACTED] told [REDACTED] that they should call in a welfare check. [REDACTED] stated that Boardman was "digging in the electrical box." among other unsafe activities.

[REDACTED] stated she got off work today and called in a welfare check for Boardman. [REDACTED] stated she told the dispatcher that she was on her way to her father's house and wanted a welfare check done. [REDACTED] stated she arrived at Boardman's residence approximately ten minutes before law enforcement arrived. [REDACTED] stated that she and her father began yelling at each other. [REDACTED]

Wisconsin Division of Criminal Investigation Case Report

Case/Report Number: 23-4795/1 Interview of [REDACTED] and [REDACTED] - 06/16/2023

[REDACTED] stated Boardman wanted her to leave. [REDACTED] described Boardman as "ranting and raving." [REDACTED] stated there was no way to communicate or reason with Boardman due to his current state. [REDACTED] stated Boardman was pacing around trying to find his hat and boxers, which didn't make any sense. [REDACTED] encouraged the Deputy on-scene to see the condition of Boardman's residence and tried explaining to the Deputy that Boardman "wasn't there" mentally. [REDACTED] stated she witnessed the Deputy trying to reason with Boardman, however [REDACTED] stated that Boardman was so "fixated" on "everyone being a part of it."

[REDACTED] stated Boardman eventually made his way to his truck and sat down in the driver's seat. [REDACTED] stated the deputy tried to hold the vehicle's door open and asked Boardman to talk to him to figure out what was wrong. [REDACTED] stated that Boardman said something similar to "You guys know what's going on." [REDACTED] stated that Boardman believed law enforcement was "a part of it." regarding Boardman losing his house and his electrical being shut off. [REDACTED] stated that she believed law enforcement had recent contacts with Boardman., including a situation where Boardman walked into the neighbor's house uninvited.

[REDACTED] stated after Boardman got into his vehicle, he slammed the vehicle's door shut in front of the deputy and drove off, turning right out of the driveway. [REDACTED] stated she advised the Deputy that Boardman did not have a valid driver's license. [REDACTED] stated she told the Deputy that because she was "being selfish" and wanted Boardman to go to jail in order for him to get help. The Deputy advised [REDACTED] to remain at the residence while he assisted his partner on the traffic stop with Boardman. [REDACTED] stated she and [REDACTED] remained at the residence for approximately one hour. After waiting for an hour, [REDACTED] stated they left the residence to figure out what was going on. [REDACTED] stated they observed numerous emergency vehicles on 35. [REDACTED] stated as she got closer to the scene, [REDACTED] observed Boardman lying on the ground. [REDACTED] and [REDACTED] stated they did not witness or hear any portion of the traffic stop or shooting.

SA Beardsley asked [REDACTED] if Boardman owned or was known to possess any weapons. [REDACTED] stated her father did not own any weapons or firearms. [REDACTED] added that it was possible Boardman owned a pocket knife. [REDACTED] stated that the Deputy also asked [REDACTED] if her father owned any weapons; [REDACTED] told the Deputy he did not. [REDACTED] stated that her father does own a phone but assumed he likely destroyed it, along with the rest of the property in his residence. [REDACTED] stated she communicated with her father only by phone calls and not text messages or other means. SA Beardsley asked [REDACTED] and [REDACTED] if they had any contact information for the individuals previously living in the camper on Boardman's property. The pair advised they did not know who they were and had no way of contacting them.

[REDACTED] stated after staying on-scene for approximately twenty minutes or so, the pair drove back to Boardman's residence. [REDACTED] stated they secured Boardman's residence and pushed his bike back into his house.

The interview concluded at approximately 11:59 P.M.

Wisconsin Division of Criminal Investigation Case Report

Case/Report Number: 23-4795/1 Interview of [REDACTED] and [REDACTED] - 06/16/2023

Wisconsin Division of Criminal Investigation

Interview 23-4795/2

Report Date: 06/19/2023

Warning

Contains entities exempt from disclosure

Primary Information

Description: Interview- [REDACTED] -06/19/2023
Reporting LEO: Maske, Lance A (Eau Claire HT DCI / Wisconsin Division of Criminal Investigation)
Report Status: Approved
Report Status Date: 06/29/2023
Approved By: Vosters, Jake E (Wisconsin Division of Criminal Investigation)

Synopsis

On June 19, 2023, Wisconsin Department of Justice-Division of Criminal Investigation (DCI) Special Agent (SA) Lance Maske was requested to interview [REDACTED]. [REDACTED] called the Vernon County Sheriff's Office to report he had witnessed the incident while traveling on Highway 35. The interview was completed via telephone at SA Haverley's request.

Subjects

Relationship	Name	Bio	DOB
Interviewed	[REDACTED] (Person)	45 yr. old, White, Male	[REDACTED]
Mentioned - EXEMPT	[REDACTED] (Person)	14 yr. old, White, Female	[REDACTED]

Documents

Document
Vernon County Report ([REDACTED])

Narrative begins on the following page.

Wisconsin Division of Criminal Investigation Case Report
Case/Report Number: 23-4795/2- [REDACTED] Interview-06/19/2023

On June 16, 2023, Wisconsin Department of Justice-Division of Criminal Investigation (DCI) was requested to lead an officer involved critical incident (OICI) by the Vernon County Sheriff. The location of the OICI was Highway 35 and Gianoli Road, Township of Genoa, Vernon County, Wisconsin.

On June 19, 2023, Special Agent (SA) Lance Maske was requested to interview [REDACTED] (dob [REDACTED]). [REDACTED] called the Vernon County Dispatch and said he was a witness to the traffic stop on June 16, 2023. The following is a synopsis of the interview.

SA Maske placed a telephone call to [REDACTED] who answered and identified himself as [REDACTED]. [REDACTED] said he was traveling south on Highway 35 on his way to go camping with his daughter, [REDACTED] and saw two police vehicle with their red and blue lights on. [REDACTED] said he first noticed the police vehicles about a quarter to half a mile away and he slowed down to pass them. [REDACTED] said as he got closer, he saw one of the police vehicles parked in front of another vehicle. [REDACTED] said he thought it was odd the way the vehicle was pulled over as he didn't normally see cars stopped on the side of the road the way this vehicle was positioned. [REDACTED] said he thought someone might have had a medical emergency and the officers were trying to help the person.

[REDACTED] said as he got even closer, he could see one of the officers appeared disheveled and both officers were at the driver side door of the vehicle. [REDACTED] said he witnessed a person was "slumped" over in the driver seat at an angle. [REDACTED] said, based on the position of the individual in the vehicle, he thought there was a medical emergency. [REDACTED] said he didn't see the individual's vehicle moving while he ([REDACTED]) drove past, and he said he couldn't remember if there were any other vehicles on the road at that time.

SA Maske asked [REDACTED] if there was anything else law DCI should know. [REDACTED] said he thought it was a medical emergency until he watched the news and thought he should report what he witnessed. [REDACTED] described his vehicle as a 1994 GMC Suburban, black in color with a maroon fender and he was towing an older model pontoon. [REDACTED] said he would be available to talk if needed.

SA Maske thanked [REDACTED] for his time and ended the phone call.

A PDF copy of the Vernon County Report will be attached to this report and uploaded to the critical incident folder under this case number.



SHERIFF'S OFFICE
COUNTY OF VERNON
1320 BAD AXE COURT
VIROQUA, WISCONSIN 54665
ROY TORGERSON, SHERIFF

BUSINESS: 608-637-2123
FAX: 608-638-5702
RECORDS: 608-638-5710
JAIL: 608-638-5780
JAIL FAX: 608-638-5785
EMAIL: vcso@vernoncounty.org

NATHAN CAMPBELL, CHIEF DEPUTY

CFS Command Log

Printed on June 18, 2023

CFS # CFS23-12530
Call Taker Corinna Halvorson
Location 4676-BLK STATE HIGHWAY 35, GENOA, WI 54632
Location Details
Primary Incident Code FOLL : INV FOLLOW-UP
Mod Routine
Priority 4
Use Caution No
Primary Disposition
Beat WEST
Zone Town of Genoa
Call Time 06/18/23 06:42:48
Completed Time

Reporters

[REDACTED] (Initial Reporter)

Sex

DOB

Address

[REDACTED], WI

Report Time 06/18/23 06:42:48

How Reported Self-Initiated

From Phone (608) [REDACTED]

Contact Phone

Comments

Other Names

Vehicles

Responders

Response Times

Assigned

Enroute

Arrived

Leaving

Arrived At

Completed

IR / External Agency Numbers

Command Log Filter: Only Log Commands | Details: Hidden | Units: All Units | Revised Entries: Shown

06/18/23 06:57:05 | Halvorson, Corinna | DID WITNESS OIS INCIDENT ON FRIDAY AROUND 7:30. HE DID SEE OFFICER GET UP OFF THE GROUND AND CHASE THE VEHICLE. SAW POLICE VEHICLE WITH LIGHTS ON

AND GOT IN FRONT OF THE VEHICLE. HE JUMPED OUT OF THE SQUAD AND WENT TOWARDS THE SUSPECT VEHICLE. HE DID SEE OFFICER GET UP AND CHASE THE VEHICLE. [REDACTED] THOUGHT IT WAS A MEDICAL EMERGENCY, BUT AFTER HE READ THE NEWS RELEASE REALIZED WHAT HE HAD WITNESSED. [REDACTED] DID GET GAS AT THE ZZIP STOP AND THEN WAS DRIVING TO THE PARK, CAME UPON THE INCIDENT.



**SHERIFF'S OFFICE
COUNTY OF VERNON**
1320 BAD AXE COURT
VIROQUA, WISCONSIN 54665

ROY TORGERSON, SHERIFF

BUSINESS: 608-637-2123
FAX: 608-638-5702
RECORDS: 608-638-5710
JAIL: 608-638-5780
JAIL FAX: 608-638-5785
EMAIL: vcso@vernoncounty.org

NATHAN CAMPBELL, CHIEF DEPUTY

CFS Unit Response Times

Printed on June 18, 2023

CFS # CFS23-12530
Call Taker Corinna Halvorson
Location 4676-BLK STATE HIGHWAY 35, GENOA, WI 54632
Location Details
Primary Incident Code FOLL : INV FOLLOW-UP
Mod Routine
Priority 4
Use Caution No
Primary Disposition
Beat WEST
Zone Town of Genoa
Call Time 06/18/23 06:42:48
Completed Time

Reporters

(Initial Reporter)

Sex

DOB

Address

, WI

Report Time 06/18/23 06:42:48

How Reported Self-Initiated

From Phone (608)

Contact Phone

Comments

Other Names

Vehicles

Responders

Response Times

Assigned

Enroute

Arrived

Leaving

Arrived At

Completed

IR / External Agency Numbers

Unit Response Times

Non Unit Specific Times

06/18/23 06:57:05 | DID WITNESS OIS INCIDENT ON FRIDAY AROUND 7:30. HE DID SEE OFFICER GET UP OFF THE GROUND AND CHASE THE VEHICLE. SAW POLICE VEHICLE WITH LIGHTS ON AND GOT IN FRONT OF THE VEHICLE. HE JUMPED OUT OF THE SQUAD AND WENT TOWARDS THE SUSPECT VEHICLE. HE DID SEE OFFICER GET UP AND CHASE THE VEHICLE. [REDACTED] THOUGHT IT WAS A MEDICAL EMERGENCY, BUT AFTER HE READ THE NEWS RELEASE REALIZED WHAT HE HAD WITNESSED. [REDACTED] DID GET GAS AT THE ZZIP STOP AND THEN WAS DRIVING TO THE PARK, CAME UPON THE INCIDENT.

Wisconsin Division of Criminal Investigation

Investigative 23-4795/3

Report Date: 06/19/2023

Primary Information

Description: Scene Processing, Scene Searches, Evidence Recovery, and Scene Documentation
Occurrence From: 06/16/2023 20:00
Occurrence To: 06/17/2023 05:00
Reporting LEO: Kleinhans, David J (Arson DCI / Wisconsin Division of Criminal Investigation)
Backup LEO: Agnew, Alexander J (Arson DCI / Wisconsin Division of Criminal Investigation)
Report Status: Approved
Report Status Date: 07/19/2023
Approved By: Vosters, Jake E (Wisconsin Division of Criminal Investigation)

Addresses

Relationship	Address
Case Request Location	Vernon County, Wisconsin United States of America

Subjects

Relationship	Name	Bio	DOB
Law Enforcement	Brown, Jonathon (Law Enforcement Official)		---
Law Enforcement	Brueggeman, Bradley (Law Enforcement Official)		---
Law Enforcement	Winchel, Sam J. (Law Enforcement Official)	White, Male	---
Deceased	Boardman, William S (Person)	61 yr. old, White, Male	██████

Vehicles

Relationship	Tag #	VIN #	VehicleDescription
Subject's Vehicle	SJ2723	1B7GG26N11S113521	2001 Dodge Dakota (Black) - Truck

Property

Status	Quantity	Description
Inventory	1	Deputy Brown's Duty Weapon
Inventory	1	1 Glock Magazine and 17 unfired silver cartridges with Hornady 9mm on head stamp

Narrative begins on the following page.

SYNOPSIS

On June 16, 2023, at 7:46 PM, Special Agent (S/A) David Kleinhans was contacted by Special Agent in Charge (SAIC) Jake Vosters requesting assistance with an officer involved shooting in Vernon County that resulted in the death of one subject.

SAIC Vosters requested S/A Kleinhans respond to the scene in Vernon County on Hwy 35 near Gianoli Rodd in the Village of Genoa. S/A Kleinhans arrived on scene at 9:30 PM. Upon arrival, the on-scene DCI agents received a briefing from the Vernon County Sheriff's Office (VESO). S/A Kleinhans and S/A Agnew were assigned to conduct scene processing and documentation. The Wisconsin State Patrol (WSP) Technical Reconstruction Unit (TRU) was on scene prior to DCI's arrival. DCI was requested to assist with scene processing and evidence collection and the WSP-TRU was requested to assist with documenting the scene utilizing surveying and laser scanning equipment and completing a crash report.

Due to the time of day, S/A Kleinhans requested overhead lighting to assist with processing the scene during the hours of darkness. The VESO contacted the fire department for overhead lighting and had them brought to the scene.

SCENE CONTROL/SECURITY

Control and security at the scene were maintained continually from the time of the initial response to the conclusion of the scene examination. Yellow police tape lined the perimeter and VESO maintained a scene log.

Control and security at the scene were maintained through the constant presence of VESO, WSP, and DCI agents conducting the scene examination.

PARTICIPATING CRIME SCENE PERSONNEL

Wisconsin Department of Justice - DCI

- S/A David Kleinhans
- S/A Alexander Agnew

Wisconsin State Patrol Total Reconstruction Unit

- Trooper Chris Sukis
- Trooper Marcus Meurer
- Trooper Courtney Mueller

LEGAL AUTHORITY FOR CONDUCTING A SCENE EXAMINATION

The crime scene was located on a public roadway in the County of Vernon. S/A Adam Frederick contacted the Vernon County District Attorney's office about applying for a search warrant to search William Boardman's vehicle. The DA advised the scene was on a public roadway and the deceased would have no expectation of privacy. No search warrant was needed.

Wisconsin Division of Criminal Investigation Case Report
Case/Report Number: 23-4795/3

WEATHER CONDITIONS

Weather conditions were obtained from archived weather data records available from wunderground.com. Weather conditions at the time of the incident were recorded at the La Crosse Regional Airport, in La Crosse, Wisconsin on June 16, 2023, and reported as:

Time	Temp .	Dew Point	Humidity	Wind	Wind Speed	Wind Gust	Pressur e	Precip.	Condition
7:53 PM	76 °F	54 °F	46 %	WN W	5 mph	0 mph	29.24 in	0.0 in	Fair
8:53 PM	70 °F	57 °F	63 %	NNE	3 mph	0 mph	29.23 in	0.0 in	Fair
10:53 PM	66 °F	56 °F	70 %	SE	3 mph	0 mph	29.27 in	0.0 in	Fair
11:53 PM	63 °F	55 °F	75 %	ESE	5 mph	0 mph	29.27 in	0.0 in	Fair

SCENE DESCRIPTION

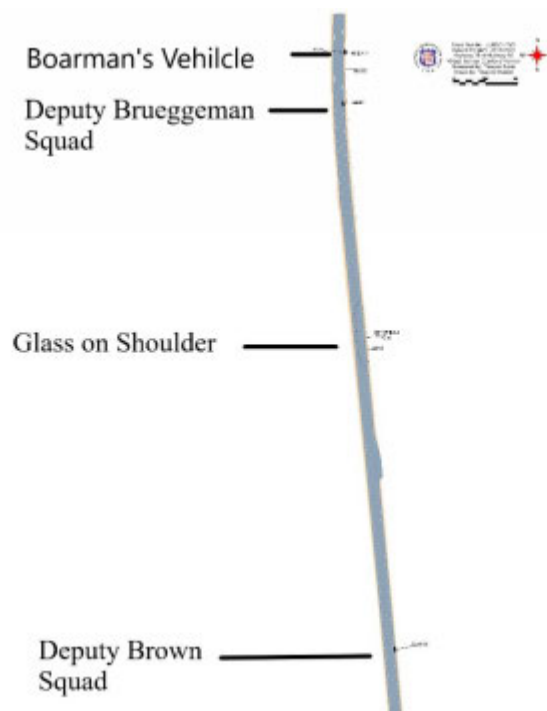
The crime scene was on Hwy 35 near Gianoli Rd. Genoa, Vernon County, Wisconsin. The crime scene was in a business district with commercial buildings on both sides of the roadway. The roadway traveled north and south. The roadway had an asphalt pavement with no curb, gutter, or public sidewalk on either side of the roadway. See the goggle map and State Patrol diagram of scene location. *(See Figures 1 and 2)*

Wisconsin Division of Criminal Investigation Case Report
Case/Report Number: 23-4795/3



(Figure 1-Hwy 35 and Gianoli Rd., Genoa, Vernon County, Wisconsin - Courtesy of Google Maps)

Wisconsin Division of Criminal Investigation Case Report
Case/Report Number: 23-4795/3



(Figure 2-Scene diagram Hwy 35 and Gianoli Rd, Genoa, Vernon County, Wisconsin - Courtesy of Wisconsin State Patrol)

SCENE EXAMINATION/PROCESSING

On Friday, June 16, 2023, the Vernon County Sheriff's Office (VESO) was involved in an officer-involved critical incident (OICI) on Highway 35 between the Village of Genoa and Gianoli Road in Vernon County, Wisconsin.

Deputy Brueggeman of the VESO responded to a residence located at S5074 State Highway 35, Genoa, Wisconsin for a check welfare on William Boardman. During that contact, Boardman left his residence in his pickup truck and a traffic stop was conducted on Highway 35 south of Gianoli Road by Deputy Brown of the VESO. Deputy Brueggeman arrived at the traffic stop location to assist. Deputies contacted Boardman as he began driving away from the traffic stop location. Deputies told Boardman he was not free to leave and to get his keys out of the ignition.

Deputy Brown attempted to unlock the driver door through the open window and Boardman accelerated away from the traffic stop. Deputy Brown's arm became stuck, and Deputy Brown jumped on the running bar of Boardman's truck as Boardman accelerated northbound on Highway 35. Deputy Brown ordered Boardman to stop. Deputy Brown fired one round [REDACTED]. Deputy Brueggeman got in front of Boardman's truck with his squad car and assisted with safely stopping Boardman's vehicle on the roadway. The Deputies and EMS provided first aid at the scene. Boardman died at the scene.

Wisconsin Division of Criminal Investigation Case Report
Case/Report Number: 23-4795/3

VESO requested the Wisconsin Department of Justice - Division of Criminal Investigation (WI DOJ-DCI) complete the OICI investigation. Special Agent in Charge (SAIC) Jake Vosters received the request as DCI Coordinator for this OICI investigation. Special Agent (SA) Michael Haverley was assigned as DCI Lead Investigator for this OICI investigation.

Prior to DCI's arrival, law enforcement officers, EMS, and Coroner Betty Nigh confirmed William S. Boardman was on scene and deceased.

Upon arrival S/A Kleinhans and S/A Agnew contacted Sergeant (Sgt) Sam Winchel of the VESO. Sgt confirmed he arrived on scene after the incident was over and Boardman was removed from the vehicle and was lying in the roadway next to his truck. Sgt Winchel had secured Deputy Brown's department issued firearm in his squad which was still on scene. Sgt Winchel stated that he did not interview the involved deputies and did not have many details of what had occurred. Sgt Winchel stated Deputy Brown and Deputy Brueggeman were at the VESO.

Upon completing the on-scene briefing, S/A Kleinhans contacted S/A Haverley to obtain additional details about the scene. S/A Haverley advised the involved deputies would not be completing initial interviews or a scene walk through on the evening of June 16, 2023.

Upon completing the briefing and a walk through with the VESO and speaking with S/A Haverley, S/A Kleinhans conducted a scene search in a systematic manner beginning from the exterior of the perimeter and working toward the vehicles. S/A Kleinhans documented the scene with photographs. The Wisconsin State Patrol-TRU was on scene prior to DCI's arrival and had started documenting the scene.

During the initial scene assessment, S/A Kleinhans documented Boardman's vehicle which was parked on the shoulder of Hwy 35. The vehicle was a black 2001 Dodge Dakota and displayed WI license plate SJ2723. The vehicle was parked facing north bound on the east shoulder of the roadway. S/A Kleinhans observed the vehicle was off and the doors were closed. The driver side window was rolled down and the passenger window was broken out. A red biohazard was lying in the roadway near the front driver side tire. Boardman was lying in the roadway next to the driver side door and was covered with a gray sheet. A medic bag was on the shoulder of the road near the rear of Boardman's vehicle.

S/A Kleinhans documented Deputy Brueggeman's marked Vernon County squad as a Ford Interceptor which was parked on the east shoulder of Hwy 35 facing north approximately forty yards behind Boardman's vehicle. The Vernon County squad displayed WI official license plate F1241. The squad was unoccupied, and all the doors were closed. S/A Kleinhans observed the squad car was off and the emergency lights were off.

S/A Kleinhans documented Deputy Brown's marked Vernon County squad as a Ford Interceptor which was parked on the east shoulder of Hwy 35 facing north approximately half mile south of

Wisconsin Division of Criminal Investigation Case Report
Case/Report Number: 23-4795/3

Boardman's vehicle. The Vernon County squad displayed WI official license plate E7842. The squad was unoccupied, and all the doors were closed. S/A Kleinhans observed the squad car was running and the emergency lights were on.

While walking toward Deputy Brown's squad car, investigators observed glass on the east side of the roadway approximately a quarter of a mile behind Boardman's vehicle. The glass was consistent with being from Boardman's passenger side door. At the time of the scene assessment, investigators did not have any details as to what caused the window to break. The area of the glass was photographed and searched for a casing. Investigators did not locate any bullet casings in the area. Sgt Winchel confirmed several vehicles had passed through the scene prior to the VESO closing the roadway.

Once the initial photos were taken and the evidence was identified, the VESO contacted the Vernon County Coroner's office to respond to the scene. Coroner Betty Nigh returned to the scene with Justin Panske and Bridgett Madden of the Vosseteig Funeral Home on June 16, 2023, at 11:40 PM. Boardman's body bag was sealed on June 16, 2023, at 11:58 PM.

While conducting the scene examination, S/A Kleinhans was informed Deputy Brueggeman's and Deputy Brown's body cameras were secured in Sgt Winchel's squad. Investigators confirmed both Vernon squad cars had a dash mounted squad camera in the vehicle but were not able to determine if it was on and recording. S/A Kleinhans requested a S/A to respond to the scene to take custody of the body cameras and assess the Vernon County Squad Camera for video recordings. On June 17, 2023, at 12:38 AM, S/A Folkers arrived on scene and collected the SD cards from the Vernon County squads and took custody of the two body cameras. S/A Folkers and Digital Evidence Specialist (DES) Teai Czajka processed the SD card and body cameras off site and returned them to the VESO on June 17, 2023.

S/A Kleinhans conducted an initial assessment of the vehicles at the scene for damage. S/A Kleinhans observed the following damage to Boardman's vehicle. The passenger side window was broken out. The front license plate was a little bent and the front bumper had some minor scratches. Investigators were not able to determine when the minor damage would have occurred.

Deputy Brueggeman's squad had the following damage. The rear bumper and tailgate had damage consistent with being hit from the rear. The tailgate and bumper were dented, and the rear taillight was not attached and was hanging by the wires.

Deputy Brown's squad was examined, and no damage was documented. The State Patrol was contacted to complete the crash report. At the time of the initial assessment, investigators did not have all the details on how Deputy Brueggeman's squad car had received the damage and why it was parked south of Boardman's vehicle.

Once the vehicle searches were completed, S/A Kleinhans and S/A Agnew obtained Deputy Brown's firearm from Sgt Winchel's squad. S/A Agnew examined the firearm and determined the slide was closed and the firearm had one round in the chamber. S/A Agnew removed the

Wisconsin Division of Criminal Investigation Case Report
Case/Report Number: 23-4795/3

seventeen-round magazine from the firearm and counted sixteen unfired rounds in the magazine. The rounds removed from Deputy Brown's firearm and magazine had silver in color casings that had "Hornady 9mm" stamped on them.

Once the WSP-TRU completed the scene documentation, S/A Kleinhans and S/A Agnew collected and packaged the following evidence items. All the evidence items were identified with placards for documentation.

Placard #1 Deputy Brown's Glock firearm recovered from Sgt Winchel's squad.

Placard # 2 magazine, and seventeen rounds recovered from Deputy Brown's firearm recovered from Sgt Winchel's squad.

Placard #3 SD card removed from Deputy Brueggeman's Vernon County Squad Camera

Placard #4 SD card removed from Deputy Brown's Vernon County Squad Camera

Placard #5 Deputy Brown's body camera recovered from Sgt Winchel's squad.

Placard #6 Deputy Brueggeman's body camera recovered from Sgt Winchel's squad.

Once the vehicles were documented, the damaged Vernon County squad and Boardman's vehicle were removed from the scene by C&C Towing and Recovery and towed to the VESO secure storage facility. Sgt Winchel followed the vehicles. VESO removed Deputy Brown's vehicle from the scene. Once the vehicles were removed from the scene, the VESO contacted the fire department to decontaminate the scene prior to clearing the scene.

S/A Kleinhans and investigators cleared the scene on June 17, 2023, at approximately 1:30 AM.

On June 22, 2023, at the VESO secured storage facility, S/A Kleinhans, S/A Frederick, and S/A Greeno documented and processed the Vernon County Squads and Boardman's vehicle. See additional ACISS reports for details.

EVIDENCE COLLECTED

S/A Kleinhans transported the evidence to the Eau Claire field office on June 17, 2023, and secured it in the evidence room. S/A Kleinhans sealed the evidence at the Eau Claire field office on June 19, 2023.

SCENE DOCUMENTATION

During the scene examination, the Wisconsin State Patrol obtained measurements and scans for the completion of scene diagrams. The Wisconsin State Patrol reports were sent to S/A Haverley. S/A Kleinhans captured 111 digital images utilizing a digital SLR camera and a copy of the photos was submitted to DCIR.

Wisconsin Division of Criminal Investigation Case Report
Case/Report Number: 23-4795/3

A copy of the scene log which was maintained and secured by the VESO.

Wisconsin Division of Criminal Investigation

Interview 23-4795/4

Report Date: 06/19/2023

Primary Information

Description:	Interview of Vernon County Sheriff's Office Sergeant Sam Winchel
Occurrence From:	06/17/2023 00:33
Occurrence To:	06/17/2023 01:03
Reporting LEO:	Stearns, Randy M (Eau Claire Financial Crimes DCI / Wisconsin Division of Criminal Investigation)
Backup LEO:	Hall, David J (Medicaid Fraud Control and Elder Abuse Unit / Wisconsin Division of Criminal Investigation)
Report Status:	Approved
Report Status Date:	06/29/2023
Approved By:	Vosters, Jake E (Wisconsin Division of Criminal Investigation)

Synopsis

On June 17, 2023, Special Agent (SA) David Hall and SA Randy Stearns interviewed Vernon County Sheriff's Office Sergeant Sam Winchel regarding the officer involved incident.

Addresses

<u>Relationship</u>	<u>Address</u>
Interview Location	Vernon County, Wisconsin United States of America

Subjects

<u>Relationship</u>	<u>Name</u>	<u>Bio</u>	<u>DOB</u>
Law Enforcement	Vernon County Sheriff's Office (Law Enforcement Agency)		---
Interviewed	Winchel, Sam J. (Law Enforcement Official)	White, Male	---
Law Enforcement	Brown, Jonathon (Law Enforcement Official)		---
Law Enforcement	Brueggeman, Bradley (Law Enforcement Official)		---
Law Enforcement	Campbell, Nathan (Law Enforcement Official)		---
Law Enforcement	Davig, Michael (Law Enforcement Official)		---
Mentioned	Boardman, William S (Person)	61 yr. old, White, Male	██████████

Narrative begins on the following page.

Wisconsin Division of Criminal Investigation Case Report**Case/Report Number: 23-4795/4 – Interview of Vernon County Sheriff's Office Sergeant Sam Winchel**

On June 17, 2023, at approximately 12:33 a.m., Special Agent (SA) David Hall and SA Randy Stearns conducted an interview of Vernon County Sheriff's Office Sergeant Sam Winchel. The interview occurred within SA Hall's squad car parked on State Highway 35, just north of the incident scene. Sergeant Winchel provided the following of interest:

Sergeant Winchel was scheduled to work from 1:00 p.m. on June 16, 2023, through 3:00 a.m. on June 17, 2023. Sergeant Winchel attended a training through the Department of Human Services from 1:00 p.m. through 4:00 p.m.

Sergeant Winchel stated there were 3 other deputies working on the road at the time of the incident. Deputy Bradley Brueggeman was working a 5:00 p.m. to 5:00 a.m. shift, Deputy Johnathan Brown was working a 6:00 p.m. to 6:00 a.m. shift, and Deputy Nathan Campbell was working 12:00 p.m. to 12:00 a.m. shift.

Sergeant Winchel stated the incident was generated from a "Check Welfare" called in by William Boardman's daughter. Sergeant Winchel believed the call came in at approximately 6:00 p.m., as Sergeant Winchel believed Deputy Brueggeman and Deputy Brown responded from the Vernon County Sheriff's Office. Sergeant Winchel believed the Deputies arrived at the call at approximately 6:30 p.m. Deputy Campbell did not respond to the call or the incident.

When the initial call came out, Sergeant Winchel was already responding to a "deer" call in Coon Valley. Sergeant Winchel was near Westby. Sergeant Winchel called Deputy Brueggeman to provide Deputy Brueggeman with details regarding Boardman. Sergeant Winchel advised Deputy Brown was already familiar with Boardman via a previous OWI incident.

Sergeant Winchel told Deputy Brueggeman about a vehicle pursuit with Boardman on June 13, 2023. Boardman had passed Sergeant Winchel while travelling the same direction. Sergeant Winchel was the passenger in a squad car while field training a new deputy. Boardman's speed was radared from 75 mph to 91 mph. Upon attempting to initiate a traffic stop, Boardman did not stop. Sergeant Winchel called off the pursuit as he had Boardman's vehicle plate number and Sergeant Winchel did not want a new trainee in a pursuit. Later, during that shift, Sergeant Winchel contacted Boardman at Boardman's residence. Boardman did not appear impaired. Boardman blamed Boardman's behavior on having a bad day due to water issues at the residence and having to run around Iowa looking for parts to fix the water problem. Sergeant Winchel decided not to "ruin his life" by arresting Boardman. Sergeant Winchel decided to refer Boardman for charges. Sergeant Winchel was not aware of any other incidents involving Boardman since June 13, 2023.

After Deputy Brueggeman and Deputy Brown arrived at the "Check Welfare", Sergeant Winchel overheard irregular radio traffic which was very scrambled. Sergeant Winchel overheard radio traffic possibly regarding a rammed squad car or "on car" and "shots garble garble". Sergeant Winchel radioed to the deputies, something to the effect, "Do you have charges?", as Sergeant

Wisconsin Division of Criminal Investigation Case Report**Case/Report Number: 23-4795/4 – Interview of Vernon County Sheriff's Office Sergeant Sam Winchel**

Winchel believed they may be in a pursuit. Then Sergeant Winchel overheard “shots fired” on the radio and immediately responded to the scene. Sergeant Winchel recalled overhearing “rendering aid” over the radio, and later recalled seeing the deputies’ medical bags scattered about the incident scene after Sergeant Winchel’s arrival.

Sergeant Winchel indicated it took Sergeant Winchel approximately 30 minutes to arrive on scene. Upon Sergeant Winchel’s arrival, Captain/Chief Deputy Michael Davig was already on scene along with EMS and Fire units.

Sergeant Winchel received permission from Captain Davig to turn off body cameras and squad cameras. Sergeant Winchel did not review any of the videos.

Sergeant Winchel contacted Deputy Brown who was seated in the rear of Deputy Brueggeman’s squad car. Deputy Brown advised Deputy’s Brown’s loaded duty weapon was in a bag on the front passenger seat of Deputy Brueggeman’s squad. With gloved hands, Sergeant Winchel removed Deputy Brown’s duty weapon from the bag, made the firearm safe, and place the firearm in one bag and the magazine and the chambered round in another bag. The bags were then secured in Sergeant Winchel's squad car.

Sergeant Winchel took uniform inspection photographs of Deputy Brueggeman and Deputy Brown with a cellular device which should automatically upload to Crime Fighter. Deputy Brueggeman did not have any injuries. Deputy Brown appeared to have a scrape on his left forearm.

Sergeant Winchel took photographs of the incident scene as Sergeant Winchel believed the number of EMS and Fire personnel “running around” may disturb the scene.

Sergeant Winchel remained on scene assisting with scene security and the scene entry log.

Sergeant Winchel had no further information and the interview concluded at approximately 1:03 a.m.

Wisconsin Division of Criminal Investigation

DFU - Technical Assist 23-4795/5

Report Date: 06/19/2023

Primary Information

Description:	Vernon County OID - Critical Incident
Reporting LEO:	Czajka, Teai M (ICAC & Computer Crimes DCI / Wisconsin Division of Criminal Investigation)
Report Status:	Approved
Report Status Date:	06/19/2023
Approved By:	Olesen, Matthew G (Wisconsin Division of Criminal Investigation)

Synopsis

On Friday, June 16, 2023, DFE Teai Czajka was contacted by Director Jake Vosters to assist with a Critical Incident in Vernon County, WI.

Dash camera SD cards and body cameras from Deputy Brown and Deputy Bruggeman were brought to the Vernon County Sheriff's Office by Special Agent Kenneth Folkers

DFE Czajka downloaded the dash camera footage using a Forensic laptop and a Kingston SD card reader. There was one dashcam video from Deputy Brown and two videos from Deputy Bruggeman for the date of 06/16/2023.

DFE Czajka used Sgt. Winchel's Panasonic Toughbook laptop to gather bodycam footage from 06/16/2023. Evidence Sync software was used along with a transfer cable to directly connect the body cameras to the Toughbook laptop.

DFE Czajka collected 1 video from Deputy Brown that was 00:35:14 in length.

DFE Czajka collected 1 video from Deputy Bruggeman that was 00:43:49 in length.

DFE Czajka collected 8 videos from Sgt. Winchel.

- 16:58:09 (00:06:16)
- 19:28:02 (00:10:59)
- 19:58:07 (00:06:51)
- 20:13:23 (00:16:53)
- 21:19:16 (00:08:19)
- 21:28:48 (00:10:26)
- 22:21:00 (00:03:33)
- 22:27:35 (00:03:28)

The videos were gathered from the Vernon County Sheriff's Office iCrimeFighter folder and transferred to an external hard drive.

All video files were then transferred to a USB flash drive and given to Special Agent Adam Frederick.

Special Agent Michael Haverly is the case agent for this case.

Wisconsin Division of Criminal Investigation

Interview 23-4795/6

Report Date: 06/19/2023

Primary Information

Description: **Neighborhood Canvas - 06/17/2023**
Occurrence From: **06/17/2023 12:00**
Occurrence To: **06/17/2023 15:30**
Reporting LEO: **Zassenhaus, Maloree N (Eau Claire ICAC DCI / Wisconsin Division of Criminal Investigation)**
Backup LEO: **Beardsley, Wade A (ICAC & Computer Crimes DCI / Wisconsin Division of Criminal Investigation)**
Report Status: **Approved**
Report Status Date: **06/29/2023**
Approved By: **Vosters, Jake E (Wisconsin Division of Criminal Investigation)**

Synopsis

On 06/18/2023 Wisconsin Department of Justice, Division of Criminal Investigation Special Agents (SA) Maloree Zassenhaus and Wade Beardsley conducted a neighborhood canvas of the area of the scene near State Highway 35 at Gianoli Road in Genoa, Wisconsin.

Addresses

<u>Relationship</u>	<u>Address</u>
Neighborhood Canvass	S4726 State Highway 35 # [REDACTED], Genoa, Wisconsin 54632 United States of America
Neighborhood Canvass	S4726 State Highway 35 # [REDACTED], Genoa, Wisconsin 54632 United States of America
Neighborhood Canvass	S4804 State Highway 35 # [REDACTED], Genoa, Wisconsin 54632 United States of America
Neighborhood Canvass	S4804 State Highway 35 # [REDACTED], Genoa, Wisconsin 54632 United States of America

Subjects

<u>Relationship</u>	<u>Name</u>	<u>Bio</u>	<u>DOB</u>
Interviewed	McClellan, Larry D. (Person)	69 yr. old, White, Male	[REDACTED]
Interviewed	Osthoff, Chad W. (Person)	49 yr. old, White, Male	[REDACTED]
Interviewed	Spears, Eugene P. (Person)	80 yr. old, White, Male	[REDACTED]
Interviewed	Thom, Walter J. (Person)	78 yr. old, White, Male	[REDACTED]

Narrative begins on the following page.

Wisconsin Division of Criminal Investigation Case Report
Case/Report Number: 23-4795/6

On 06/18/2023 Wisconsin Department of Justice, Division of Criminal Investigation Special Agents (SA) Maloree Zassenhaus and Wade Beardsley conducted a neighborhood canvas in the vicinity of the scene near State Highway 35 at Gianoli Road in Genoa, Wisconsin.

The following is a chronological list of the addresses and occupants contacted during the neighborhood canvas and the information provided:

S4804 State Hwy 35, Genoa, WI

Lot [REDACTED]

Name: Chad W. Osthoff

Date of Birth: [REDACTED]

Telephone: 608-[REDACTED]

Chad Osthoff stated he was not home on 06/17/2023 and no one else was present at his residence.

Lot [REDACTED]

Name: Larry D. McClellan

Date of Birth: [REDACTED]

Larry McClellan stated he was home on 06/17/2023 with his significant other. He said neither one had seen or heard anything.

Lot [REDACTED]

Vacant

S4726 State Hwy 35, Genoa, WI

Lot [REDACTED]

No answer.

Lot 43

Name: Walter J. Thom

Date of Birth: [REDACTED]

Walter Thom stated he was home on 06/17/2023, but he did not see or hear anything out of the ordinary.

Lot [REDACTED]

Name: Eugene P. Spears

Date of Birth: [REDACTED]

Wisconsin Division of Criminal Investigation Case Report
Case/Report Number: 23-4795/6

Eugene Spears stated he was home on 06/17/2023 and was outside when he observed an officer make a traffic stop around 5:00 PM near the power plant. Spears said that was not uncommon and he did not pay attention to the traffic stop. He said he heard a police siren at one point, but did not see anything else. Spears said he is hard of hearing so he did not hear any gun shots or any conversations take place.

Wisconsin Division of Criminal Investigation

Investigative 23-4795/7

Report Date: 06/19/2023

Primary Information

Description:	VESO Body-Worn Cameras and Squad SD Cards
Occurrence From:	06/16/2023 10:40
Occurrence To:	06/17/2023 01:15
Reporting LEO:	Folkers, Kenneth J (Madison Special Assignments DCI / Wisconsin Division of Criminal Investigation)
Report Status:	Approved
Report Status Date:	06/29/2023
Approved By:	Vosters, Jake E (Wisconsin Division of Criminal Investigation)

Addresses

<u>Relationship</u>	<u>Address</u>
Location of Event	Vernon County Sheriff's Department, Viroqua, Wisconsin United States of America

Subjects

<u>Relationship</u>	<u>Name</u>	<u>Bio</u>	<u>DOB</u>
Law Enforcement	Vernon County Sheriff's Office (Law Enforcement Agency)		---
Law Enforcement	Brown, Jonathon (Law Enforcement Official)		---
Law Enforcement	Brueggeman, Bradley (Law Enforcement Official)		---
Deceased	Boardman, William S (Person)	61 yr. old, White, Male	██████████

Narrative begins on the following page.

Wisconsin Division of Criminal Investigation Case Report

Case/Report Number: 23-4795/7 VESO Body-Worn Cameras and Squad SD Cards

On Friday, June 16, 2023, Special Agents (SA) from the Wisconsin Department of Justice-Division of Criminal Investigation (WI DOJ-DCI) were assigned to assist the Vernon County Sheriff's Office (VESO) with an officer-involved death investigation (OID) in Genoa, WI.

On Friday, June 16, 2023, at approximately 8:00 p.m., DCI SA Kenneth Folkers was contacted by DCI Director Lourdes Fernandez and requested to respond to Vernon County, WI to assist SAs with the DCI Eau Claire Field Office with an OID. At approximately 10:40 p.m., SA Folkers arrived at the Vernon County Sheriff's Office (VESO) in Viroqua, WI and contacted DCI SA Adam Frederick and DCI SA Michael Haverley. SA Haverley requested SA Folkers respond to Genoa, WI to pick up the VESO body-worn cameras and VESO squad camera SD cards related to this incident.

On Saturday, June 17, 2023, at approximately 12:38 a.m., SA Folkers contacted DCI SA David Kleinhans in Genoa, WI and received the following items:

- VESO Deputy Bradley Brueggeman's squad P3 SD card
- VESO Deputy Jonathon Brown's squad P16 SD card
- VESO Deputy Jonathon Brown's body-worn camera
- VESO Deputy Bradley Brueggeman's body-worn camera

SA Folkers transported the items back to the VESO. At approximately 1:15 a.m., SA Folkers turned over the items to DCI Digital Forensic Examiner (DFE) Teai Czajka for download. Reference DFE Czajka's report under 23-4795/5 for details on the download.

NO FURTHER ACTION TAKEN

Wisconsin Division of Criminal Investigation

Investigative 23-4795/8

Report Date: 06/19/2023

Primary Information

Description:	Autopsy - William Boardman (06/19/2023)
Occurrence From:	06/19/2023 09:17
Occurrence To:	06/19/2023 12:00
Reporting LEO:	Folkers, Kenneth J (Madison Special Assignments DCI / Wisconsin Division of Criminal Investigation)
Backup LEO:	Hall, David J (Medicaid Fraud Control and Elder Abuse Unit / Wisconsin Division of Criminal Investigation)
Report Status:	Approved
Report Status Date:	06/29/2023
Approved By:	Vosters, Jake E (Wisconsin Division of Criminal Investigation)

Agency Reference Numbers

<u>Agency</u>	<u>Case/File Number</u>
Wisconsin State Crime Laboratory-Madison	M23-1645
University of Wisconsin (UW) - Hospital	23-285

Addresses

<u>Relationship</u>	<u>Address</u>
Location of Event	1111 Highland Ave UW Hospital Morgue, Madison, Wisconsin 53792 United States of America

Subjects

<u>Relationship</u>	<u>Name</u>	<u>Bio</u>	<u>DOB</u>
Mentioned	Ertl, John R (Crime Lab Personnel)	White, Male	---
Mentioned	Naleid, Trevor W (Crime Lab Personnel)		---
Deceased	Boardman, William S (Person)	61 yr. old, White, Male	██████████
Medical Personnel	Kallan, Jamie DR (Person)	White, Female	---
Mentioned	Achenbach, Stacy (Person)	White, Female	---

Documents

<u>Document</u>
23-4795.8 WSCL Receipt of Physical Evidence - Vernon County OID
23-7495.8 UW Health Personal Belonging Inventory Form

Property

<u>Status</u>	<u>Quantity</u>	<u>Description</u>
Inventory	1	Left Boot
Inventory	1	Right Boot
Inventory	1	Jeans with suspenders
Inventory	1	White socks
Inventory	1	Pocket Knife
Inventory	1	Drug pipe and lighter
Inventory	1	Wallet with contents
Inventory	1	Black shirt

Wisconsin Division of Criminal Investigation

Investigative 23-4795/8

Report Date: 06/19/2023

Property - Continued		
<u>Status</u>	<u>Quantity</u>	<u>Description</u>
Inventory	1	US Currency
Inventory	1	Major Case Prints
Inventory	1	DNA Card
Inventory	1	DNA Card

Narrative begins on the following page.

Wisconsin Division of Criminal Investigation Case Report
Case/Report Number: 23-4795/8 Autopsy - William Boardman (06/19/2023)

On Friday, June 16, 2023, Special Agents (SA) from the Wisconsin Department of Justice-Division of Criminal Investigation (WI DOJ-DCI) were assigned to assist the Vernon County Sheriff's Office (VESO) with an officer-involved death investigation (OID) in Genoa, WI. DCI SA Kenneth Folkers was assigned to attend the autopsy of William S. Boardman.

On Monday, June 19, 2023, between approximately 9:17 a.m. and 12:00 p.m., University of Wisconsin School of Medicine and Public Health Forensic Pathologist, Dr. Jamie Kallan, conducted an autopsy of William Boardman at the Wisconsin Institutes of Medical Research (UW Morgue) at 1111 Highland Ave, Madison, WI. The following individuals were also present during the autopsy:

- Autopsy Technician Stacy Achenbach
- Wisconsin State Crime Laboratory (WSCL) Forensic Scientist Trevor Naleid
- DCI SA David Hall

Prior to the autopsy, Technician Achenbach took x-rays of Boardman's body within the sealed body bag. After the x-rays, Technician Achenbach assisted Dr. Kallan during the autopsy. WSCL Forensic Scientist Trevor Naleid took digital photographs of evidentiary items and other pertinent items during the autopsy. SA Folkers later received a Sharefile link from John Ertl with the WSCL. The link included the autopsy photos, which were placed in the DCI Critical Incident Repository file of this investigation.

The evidence seal (#2358) on the body bag containing Boardman was broken at approximately 9:17 a.m. When the body bag was opened, Boardman was observed clothed with blue jeans, yellow suspenders, Caterpillar size 10.5 boots (right and left) and socks. A black long-sleeved shirt was recovered from inside of the body bag.

EVIDENTIARY ITEMS COLLECTED AT AUTOPSY

The following evidentiary items were obtained at the autopsy and subsequently collected and packaged by WSCL Forensic Scientist Naleid:

- 23-4795.4 - Left boot – Caterpillar size 10.5.
- 23-4795.5 - Right boot – Caterpillar size 10.5.
- 23-4795.6 - Blue jeans with suspenders.
- 23-4795.7 - Socks
- 23-4795.8 - Pocket knife recovered from front right jeans pocket.
- 23-4795.9 - Clear pipe with residue and lighter record recovered from front left jeans pocket.
- 23-4795.10 - Black wallet recovered from back right jeans pocket.
- 23-4795.11 - Black long-sleeved shirt
- 23-4795.12 - US Currency
 - o \$12.00 cash - (2) - \$5.00 bills and (2) - \$1.00 bills) removed from wallet.

Wisconsin Division of Criminal Investigation Case Report
Case/Report Number: 23-4795/8 Autopsy - William Boardman (06/19/2023)

- o Coins - (1) - \$.50 Euro, (1) - \$.25, (2) - \$.05, (4) - \$.01) recovered from front right jeans pocket.
- 23-4795.13 - Major case prints
- 23-4795.14 - DNA card
- 23-4795.15 - DNA card

WSCL Forensic Scientist Naleid placed each item into a package and sealed the package with evidence tape. The items collected during the autopsy were provided to SA Folkers. WSCL Forensic Scientist Naleid and SA Folkers signed a WSCL Receipt of Physical Evidence form, and it is attached to this report for review. Technician Achenbach and SA Folkers signed a UW Health Personal Belongings Inventory Sign-out form, and it is attached to this report for review.

Following the autopsy, SA Folkers transported the evidence to the Vernon County Sheriff's Office in Viroqua, WI and met with DCI SA Michael Haverley. At approximately 4:00 p.m., SA Folkers transferred the evidence to SA Haverley so the items could be entered into secure storage at the DCI Eau Claire Field Office.

PRELIMINARY AUTOPSY DETERMINATION

On Monday, June 19, 2023, Dr. Kallan provided SA Folkers with the following preliminary findings from the autopsy of William Boardman:

Dr. Kallan said Boardman sustained a perforating gunshot wound [REDACTED]

Manner of Death- Homicide

Cause of Death- Perforating intermediate range of fire, gunshot wound [REDACTED].

Please reference the following case numbers for additional information: Autopsy #23-285 and WSCL #M23-1645.

NO FURTHER ACTION TAKEN

Wisconsin Division of Criminal Investigation

Interview 23-4795/9

Report Date: 06/19/2023

Primary Information

Description: Interview with [REDACTED], [REDACTED] and [REDACTED]
Occurrence From: 06/16/2023 23:05
Occurrence To: 06/20/2023 09:12
Reporting LEO: Hall, David J (Medicaid Fraud Control and Elder Abuse Unit / Wisconsin Division of Criminal Investigation)
Backup LEO: Stearns, Randy M (Eau Claire Financial Crimes DCI / Wisconsin Division of Criminal Investigation)
Report Status: Approved
Report Status Date: 06/29/2023
Approved By: Vosters, Jake E (Wisconsin Division of Criminal Investigation)

Subjects

Relationship	Name	Bio	DOB
Interviewed	[REDACTED] (Person)	66 yr. old, White, Female	[REDACTED]
Interviewed	[REDACTED] (Person)	54 yr. old, White, Male	[REDACTED]
Interviewed	[REDACTED] (Person)	40 yr. old, White, Female	[REDACTED]
Mentioned	[REDACTED] (Person)	White, Male	---
Mentioned	Boardman, William S (Person)	61 yr. old, White, Male	[REDACTED]
Mentioned	[REDACTED] (Person)	28 yr. old, White, Female	[REDACTED]

Telephones / E-Addresses

Relationship	Number/E-Address
Number Called	(608) [REDACTED] (Cellular)

Documents

Document
23-4795.9 [REDACTED] Obituary.pdf
23-4795.9 [REDACTED] Obituary.pdf

Narrative begins on the following page.

On Friday, June 16, 2023, the Vernon County Sheriff's Office requested the Wisconsin Department of Justice – Division of Criminal Investigation (DCI) to investigate an officer involved critical incident (OICI) that occurred on State Highway 35 near Gianoli Road in the Village of Genoa (Vernon County, Wisconsin). The decedent of this incident was identified as William Steven Boardman.

DCI Special Agents (SAs) David Hall and Randy Stearns interviewed [REDACTED], [REDACTED] and [REDACTED] on State Highway 35 north of the incident location. All three were related to William Boardman and were notified of the incident by the decedent's daughter, [REDACTED]. For the purposes of clarity, first names will be used for the remainder of this report.

[REDACTED], [REDACTED] and [REDACTED] arrived at the incident location prior to the agents arrival. They told agents they were not at the scene when the shooting occurred and had nothing to say. [REDACTED] was not willing to separate from [REDACTED] and [REDACTED].

SA Hall was present when DCI Crime Response Specialist (CRS) Jacqueline Larsen explained DCI's role in the investigation and provided an overview of the investigative process to [REDACTED], [REDACTED] and [REDACTED]. Shortly thereafter, they agreed to provide background information.

Agents interviewed [REDACTED], [REDACTED] and [REDACTED] together between 11:09 p.m. (June 16, 2023) and 12:02 a.m. (June 17, 2023). The following is a summary of their statements to agents:

[REDACTED] was a sibling to William and was [REDACTED]'s mother. [REDACTED] and [REDACTED] are married.

[REDACTED]'s last contact with William was in January 2023 when she called him, asking for help at her residence. He never showed up. The last time she saw William was in November 2022. She tried calling William approximately 75 times in November and December 2022. William never answered or returned her calls.

[REDACTED] and [REDACTED] have not seen William in five years.

People knew William by his middle name, Steven. He was referred to as Steve and Stevie throughout the interview.

William was single and lived alone at a residence to the south of the incident location. The address was unknown but was within eyesight if standing on the west side of State Highway 35.

William was unemployed and received disability from a back injury he sustained while working at Ashley Furniture over 20 years ago. Also, he had severe gout and a hip replacement three or four years ago.

William had his daughter, [REDACTED], approximately 25 years ago. [REDACTED]'s phone number was (651) [REDACTED]. After [REDACTED] and [REDACTED] received phone calls from [REDACTED], they responded to the scene. They said [REDACTED] observed William lying in the road prior to being covered from public view.

William previously lived with his parents. In 2003, William's father died in a house fire after he used accelerants to start a fire in a wood burning stove/furnace in the residence. The piping for the stove was stuffed with objects by previous tenants, causing the fire to go toward William's father. William was present when his father ran out of the house on fire. William helped extinguish the fire, but his father died two weeks later due to his injuries. In 2012, William's mother told him that he was getting on her nerves and told him to leave the house. William went drinking and returned later. He opened the door to the residence and the house became engulfed in fire. Their mother died from smoke inhalation. The house was rebuilt, and William was still living in the same location that killed both parents.

William's demeanor gradually worsened since his mother's death. He stopped joking around and was not his "normal jolly self". William blamed himself for his mother's death. Since the summer of 2022, William stopped answering his phone. [REDACTED] did not know what William had been doing since. [REDACTED] and William had a close relationship prior to his behavior change.

William had a brother named [REDACTED], who family referred to as [REDACTED]. [REDACTED], did not like law enforcement, and was a very negative person. Historically, William disapproved of [REDACTED]'s drug use. [REDACTED] knew [REDACTED] and William spoke frequently and spent time together. They did not have a phone number for [REDACTED] and dissuaded agents from attempting to speak with him about William's death for a few days. [REDACTED] was at the scene prior agent arrival and threatened law enforcement.

[REDACTED] last spoke with [REDACTED] months ago because they did not get along. She loved him but did not like him. [REDACTED] and [REDACTED] have not communicated with [REDACTED] for approximately ten years.

[REDACTED], [REDACTED] and [REDACTED] did not know where William spent time. They were unaware of any of his associates.

William was not a smoker. He used to drink a lot and got into trouble when he was younger. William's frequency of alcohol consumption in recent years was unknown to [REDACTED], [REDACTED] and [REDACTED].

William was using unknown drugs. In September 2022, [REDACTED] told [REDACTED] and [REDACTED] she caught William using drugs. They could not recall the drug type. [REDACTED] said William hated taking pills and refused to take Aspirin to help deal with pain.

During one of [REDACTED]'s most recent visits with William, she saw him moving his mouth in an awkward manner, prompting [REDACTED] to ask if he was okay. William covered his face with a magazine to conceal "twitchy" facial expressions and said he was fine.

[REDACTED] believed William was previously convicted of a felony when he was in his 20's, which prohibited him from lawful firearm possession. [REDACTED], [REDACTED] and [REDACTED] have not seen William

with any firearms, nor were they aware of him possessing any firearms. His firearms were taken from him when he was younger due to his previous arrests/conviction(s).

William did not have social media profiles. His phone numbers were (608) [REDACTED] (house) and (608) [REDACTED] (cellular phone).

[REDACTED] and [REDACTED] had sporadic contact with [REDACTED]. [REDACTED] reached out to them when she was concerned about William. They had numerous conversations since the summer of 2022 where [REDACTED] considered a welfare check on her father. They did not believe law enforcement conducted welfare checks prior to June 15, 2023.

[REDACTED] and [REDACTED] spoke with [REDACTED] on June 15, 2023. [REDACTED] was encouraged to call in a welfare check. [REDACTED] wanted [REDACTED] to go with her to William's residence, but [REDACTED] discouraged it and told [REDACTED]. [REDACTED] was concerned about William's reaction due to known drug use. [REDACTED] and [REDACTED] did not go to William's residence on June 15, 2023.

[REDACTED] and [REDACTED] were unaware of the law enforcement assigned welfare check on June 16, 2023. They did not communicate with [REDACTED] on June 16, 2023, until she notified them of William's death. [REDACTED] looked at her cellular phone and estimated the time of [REDACTED]'s phone call to be 8:00 p.m.

[REDACTED], [REDACTED] and [REDACTED] arrived on scene and spoke with [REDACTED] and [REDACTED] before they both departed. [REDACTED] and [REDACTED] observed William's residence on June 16, 2023. Things were pulled off the walls. The house was described as disgusting and appeared ransacked. [REDACTED] said William slammed the door closed when law enforcement attempted contact with him. Shortly thereafter, William got into his vehicle and left the scene. Law enforcement told [REDACTED] to wait at the residence for them to return. Approximately 30 minutes later, [REDACTED] left the residence and observed William deceased.

[REDACTED], [REDACTED] and [REDACTED] did not have any further information to provide. They agreed for follow up contact if it was necessary. The agents provided business cards to them and ended the contact.

On Monday, June 19, 2023, DCI SA Michael Haverley located obituaries for [REDACTED] [REDACTED] and [REDACTED] from an internet search. The obituaries were saved as PDFs and attached to this report for information.

[REDACTED]'s obituary indicated he was from Genoa, Wisconsin and died on May 20, 2003, from injuries sustained during a fire at his home. The obituary identified [REDACTED]'s wife as [REDACTED] and his three children as [REDACTED], [REDACTED] (no last name cited) and Steven Boardman.

[REDACTED]'s obituary indicated she was from Genoa, Wisconsin and died on June 15, 2012, from smoke inhalation from a fire at the home she shared with her son, Steve Boardman. [REDACTED]'s three children were identified as [REDACTED], [REDACTED] and Steven Boardman.

FOLLOW UP CONTACT WITH [REDACTED]:

On June 20, 2023, between 8:58 a.m. to 9:12 a.m., SA Hall spoke with [REDACTED] by phone at (608) [REDACTED] to seek additional information related to her parents. She said the death of her parents was overwhelmingly tragic and she did not want to provide more information. She said information can be found on their obituaries, confirming their identities as [REDACTED] and [REDACTED].

[REDACTED] acknowledged William had problems. However, she believed law enforcement was trying to paint a negative picture about William based on his past, indicating he was deranged.

[REDACTED] believed law enforcement's attempts to resuscitate William after a direct gunshot [REDACTED] was done to "cover their ass". She said law enforcement was conducting a welfare check and could have called for backup or used a less lethal option (i.e., Taser).

[REDACTED] observed William's truck at the scene after the incident. She saw the truck parked at an angle in the gravel at the side of the road. She described his truck as a stick shift (manual transmission) and knew the gravel in that area was fresh and loose. She had experience with a manual transmission vehicle and did not believe William would have been able to accelerate at a high rate of speed pulling an officer who was uninjured.

[REDACTED] was documenting her concerns and might share them with law enforcement. SA Hall encouraged [REDACTED] to reach out with additional questions/concerns and ended the phone contact.

The La Crosse Tribune

La Crosse, Wisconsin • Sat, May 31, 2003

Page 27

La Crosse Tribune, 1

GENOA, Wis./
SANTA MARIA, Calif.

70, of Genoa and Santa Maria, Calif., died Tuesday, May 20, 2003. A loving husband, father, family man and friend was lost to many.

of Genoa passed away due to injuries sustained after a fire in his home.

was born March 6, 1933, in Pond du Lac, Wis., to

spent the last 70 years touching many people's lives. He proudly served in the U.S. Navy during the Korean conflict. After the Navy, returned to De Soto, Wis., to help his father in the commercial fishing business. He then moved to San Francisco to attend trade school and became a journeyman carpenter. Specializing in high-rise construction, helped build the Trans America Pyramid. On returning to Wisconsin after his parents passed away, he was successful in the smoked-fish business, delivering his product to stores in Iowa, Minnesota and throughout Wisconsin. In recent years, he worked in a retirement home as maintenance personnel and made many friends in the Santa Maria area.

Preceding in death were his parents, and sister,

is survived by his wife, of 48 years; and three children.

Wis.,

and Steven Boardman of Genoa, had four grandchildren.

and two great-grandchildren.

Many loving cousins, nieces and nephews also survive him.

In lieu of flowers, please send memorial contributions to the

in care of Genoa State Bank.

A memorial service will be at 6:30 p.m., Tuesday, June 3, at Larson Funeral Home, De Soto.

Obituary for

© 2023 Newspapers.com™ by Ancestry®. All rights reserved.

Obituary

[REDACTED]

June 18, 2012

A loving mother, grandmother, and friend was lost to us on June 15, 2012.

[REDACTED], 78, of Genoa, WI died of smoke inhalation after a fire devastated the home she shared with her son and caregiver, Steve Boardman.

[REDACTED]
Arizona to [REDACTED]. Her father being of Italian descent (Turin, Italy) and mother of Mexican descent (Sonora, Mexico) would later decide that to allow their children a better future they would "Americanize" their names – thus [REDACTED] is the woman we had all come to know and love.

In 1945 the family moved to San Francisco, CA. It was there that she would meet the sailor of her dreams [REDACTED]. On May 7th 1955 they were married in San Francisco by a municipal judge. In their 48 years of marriage [REDACTED] and [REDACTED] traveled, lived, and loved. They called home to Northern CA for many years. In 1972 she and her family moved back to Genoa, WI to run the family fish market.

California Dreamin' came again in 2000 where they took residence in Santa Maria, CA. During a visit to Wisconsin and the family home there was a tragic accident that took the life of her husband [REDACTED] in May of 2003. [REDACTED] moved back to Genoa in 2006 to live out the remainder of her days.

She lived simply and loved wholly.

Proceeding [REDACTED] in death was her love and her life [REDACTED].

[REDACTED] is survived by her three children, [REDACTED]
[REDACTED], and Steven Boardman of Genoa. Grandchildren, [REDACTED]
[REDACTED]; and great-grandchildren [REDACTED]
[REDACTED]. Many loving family and
friends in California.

[REDACTED]'s last wishes were to be cremated and join her husband in eternal rest at sea.

Contributions are welcome to help her achieve her wish.

A memorial service will be held at 6:30 pm on Friday, June 29, 2012 at Coulee Region Cremation
Group, 133 Mason Street Onalaska. A visitation will be held from 5:00 pm until the service at
the funeral home.



Condolences

Let's Celebrate Life Together

Call or send a message using the buttons below...

Call (608) 788-2188

Send a Message



© 2023 Coulee Region Cremation Group • All rights reserved • Website
design by **Bernadot Studios**



Wisconsin Division of Criminal Investigation

Interview 23-4795/10

Report Date: 06/20/2023

Primary Information

Description: Interview: Vernon County Deputy Jonathon Brown - 6/19/2023
Occurrence From: 06/19/2023 00:00
Occurrence To: 06/19/2023 00:00
Reporting LEO: Haverley, Michael K (Eau Claire Narcotics DCI / Wisconsin Division of Criminal Investigation)
Backup LEO: Frederick, Adam L (Eau Claire Special Assignments DCI / Wisconsin Division of Criminal Investigation)
Report Status: Approved
Report Status Date: 06/29/2023
Approved By: Vosters, Jake E (Wisconsin Division of Criminal Investigation)

Synopsis

On June 19, 2023, Vernon County Sheriff's Office (VCSO) Deputy Jonathon Brown was interviewed by Wisconsin Department of Justice - Division of Criminal Investigation following an Officer Involved Critical Incident (OICI) which had occurred on June 16, 2023.

Addresses

Relationship	Address
Interview Location	Vernon County Sheriff's Department, Viroqua, Wisconsin United States of America

Subjects

Relationship	Name	Bio	DOB
Law Enforcement	Brown, Jonathon (Law Enforcement Official)		---
Law Enforcement	Brueggeman, Bradley (Law Enforcement Official)		---
Deceased	Boardman, William S (Person)	61 yr. old, White, Male	██████

Narrative begins on the following page.

Wisconsin Division of Criminal Investigation Case Report**Case/Report Number: 23-4795/10 Interview: VCSO Deputy Jonathon Brown - 6/19/2023****SYNOPSIS**

On Friday, June 16, 2023, the Vernon County Sheriff's Office (VCSO) was involved in an Officer-Involved Critical Incident (OICI) on Highway 35 between the Village of Genoa and Gianoli Road in Vernon County, Wisconsin.

VCSO deputies responded to a residence located at S5074 State Highway 35, Genoa, Wisconsin 54632 for a check welfare. During that contact, the male subject left his residence in his pickup truck and a traffic stop was initiated on Highway 35 by Gianoli Road. The Deputy that was initially at the residence for the check welfare arrived at the traffic stop location. As the two Deputies were still in contact with the male subject, he began traveling away from the traffic stop location as one of the deputies was attempting to open the door, remove the keys, and direct the vehicle away from the roadway.

That VCSO Deputy ended up having to hold onto the male subject's vehicle as the vehicle continued northbound on Highway 35. The Deputy fired one round striking the male subject. The Deputies then got the subject's vehicle to slow and stop. First aid was rendered, but the subject died at the scene.

VCSO requested the Wisconsin Department of Justice - Division of Criminal Investigation (WI DOJ-DCI) complete the OICI investigation. Special Agent in Charge (SAC) Jake Vosters received the request as DCI Coordinator for this OICI investigation. Special Agent (SA) Michael Haverley was assigned as the DCI Lead Investigator for this OICI investigation. Additional WI DOJ-DCI Special Agents responded from Eau Claire and Madison.

VCSO Deputy Jonathon Brown was interviewed at the Vernon County Sheriff's Office on Monday, June 19, 2023. Wisconsin Professional Police Association (WPPA) Business Agent Jeff Spencer and Attorney James L. Palmer, II were present during the interview. Deputy Brown participated in the interview voluntarily. The interview was not recorded.

INTERVIEWEE

Vernon County Sheriff's Deputy Jonathon Brown

PARTICIPATING INVESTIGATORS

WI DOJ-DCI Special Agent Michael K. Haverley

WI DOJ-DCI Special Agent Adam L. Frederick

EDUCATION/EXPERIENCE INFORMATION

Wisconsin Division of Criminal Investigation Case Report**Case/Report Number: 23-4795/10 Interview: VCSO Deputy Jonathon Brown - 6/19/2023**

Deputy Brown achieved ninety-three credit hours towards a Criminal Justice Bachelors Degree. In 2002, Deputy Brown joined the Iowa National Guard and was a infantryman, 11B. Deputy Brown's military tours included Afghanistan in 2004-2005 and Iraq in 2006-2007. Deputy Brown received an honorable discharge and left as an E4 Specialist. In 2008, Deputy Brown completed the 450 course for the Department of the Army Civilian Police Academy. Deputy Brown also served ten years in the Department of the Army Civilian Police.

Deputy Brown has received specialized training and certifications including active shooter, crash reconstruction, street crimes, interview techniques, chief of police training, and behavioral analysis.

Deputy Brown received his field training certification through the Illinois State Police. Deputy Brown was an Electronic Control Device (ECD/Taser) instructor. Deputy Brown completed his reciprocity in 2017 to get certified as a Wisconsin law enforcement officer. Deputy Brown's training is documented in ACADIS, which includes additional certificates. Deputy Brown attends VCSO in-service training and weapons training.

On December 4, 2017, Deputy Brown was hired as the Chief of Police for the Village of La Farge in Vernon County, Wisconsin. Deputy Brown was the La Farge Chief of Police until May 24, 2022 when he was hired by VCSO as a Deputy Sheriff.

LAW ENFORCEMENT/POLICE DESCRIPTORS

Deputy Brown works [REDACTED] patrol shift for VCSO. Deputy Brown had two days off prior to the OICI on Friday, June 16, 2023, which was a regular scheduled shift. Deputy Brown's radio dispatch number is "23".

Deputy Brown was operating his assigned Ford Interceptor sport-utility vehicle (SUV) squad vehicle (Designation: P16), which is fully marked with exterior lights. Deputy Brown's squad vehicle has an interior facing camera as well as a front facing camera. Deputy Brown has an issued body worn camera (BWC).

At this point of the interview, SA Fredrick displayed photographs of Deputy Brown's uniform and equipment. Deputy Brown stated the photographs were an accurate depiction of what he was wearing during the OICI incident. Deputy Brown advised that he carries a Glock Model 45 Generation 5 9mm handgun. The handgun has a magazine capacity of seventeen plus one additional in the chamber. Deputy Brown's handgun was secured after the OICI by Deputy Bradley Brueggeman and then turned over to VCSO Sergeant (Sgt) Sam Winchel. Deputy Brown was provided a replacement handgun at the scene. Deputy Brown [REDACTED] [REDACTED] has a pocket knife, which he observed in the uniform photos. Deputy Brown

Wisconsin Division of Criminal Investigation Case Report**Case/Report Number: 23-4795/10 Interview: VCSO Deputy Jonathon Brown - 6/19/2023**

advised that he typically has keys hanging off the rear of his belt and he wears a Sheriff's Office hat.

SUBJECT

William S. Boardman M/W DOB: [REDACTED]

HISTORICAL KNOWLEDGE OF SUBJECT

Deputy Brown advised that prior to the OICI, he had learned that this subject had fled from Sgt. Winchel approximately three days prior. Deputy Brown's understanding after speaking with Deputy Brueggeman was that this subject would be arrested for felony eluding charges regardless. Deputy Brown did not recall any further updates from dispatch, but he had begun checking their Computer-aided Dispatch (CAD) system for history during his response.

PRE-INCIDENT INFORMATION

Prior to his shift, Deputy Brown received a normal amount of sleep, which he estimated to be six to eight hours. Deputy Brown was not consuming any medications or substances that would preclude him from completing his duties as a sworn Deputy Sheriff for VCSO. Deputy Brown started his work day at approximately 5:10 P.M. at which point he responded to River Valley Auto to pick up his squad vehicle and then traveled to VCSO.

INCIDENT

Deputy Brown was at VCSO getting his squad ready. Deputy Brown then entered the dispatch center and learned that Deputy Brueggeman was dispatched to a check welfare call so he responded from VCSO.

Deputy Brown stated the welfare check was for a male subject named "William". Deputy Brown did not know or recall the subject's last name. Deputy Brown's understanding was that the subject's daughter called and said her dad needed help and he wasn't going to get it on his own. Deputy Brown recalled that the daughter wanted an officer there to keep the peace because she did not know how it was going to go.

Deputy Brown learned that this subject eluded Sgt. Winchel approximately three days prior. Deputy Brown advised that the county sections had coverage with an appropriate amount of deputies so he began responding towards Deputy Brueggeman's call, which was in the area of Highway 35 and a cul-de-sac south of Gianoli Road. Deputy Brown could see where Deputy Brueggeman's squad was parked on their squad computer system. Deputy Brown parked on Highway 35 south of the cul-de-sac facing north in the event something would happen. Deputy

Wisconsin Division of Criminal Investigation Case Report**Case/Report Number: 23-4795/10 Interview: VCSO Deputy Jonathon Brown - 6/19/2023**

Brown recalled dispatch checking Deputy Brueggeman's status. Later, Deputy Brueggeman relayed to dispatch that the subject was leaving and a license plate was provided. Deputy Brown observed the truck leaving northbound on Highway 35. Deputy Brown was behind the black truck and Deputy Brueggeman requested it to be stopped. Deputy Brown activated his emergency lights and siren based on the previous eluding. Deputy Brown notified dispatch of the traffic stop, which occurred on the shoulder of Highway 35 near Gianoli Road.

Deputy Brown made sure his body worn camera was on. Deputy Brown made contact with the subject, William, at the open driver's side window of the truck. Deputy Brown informed William that his partner, Deputy Brueggeman, wanted to talk to him. Deputy Brown described William as a white male, aged in his 50's, with short facial stubble, short hair, and sweaty.

Deputy Brown advised that William told him that his partner, Deputy Brueggeman, was not a real cop. Deputy Brown said that a train was going by, it was difficult to hear, and William seemed agitated. Deputy Brown told William to take the keys out of the ignition so he believed the keys were on the passenger seat after that.

Deputy Brueggeman arrived on scene and was positioned by the driver's side mirror of the truck while Deputy Brown was near the pillar by the driver's side door. Deputy Brown stated that William was clearly agitated and William said that he was going to leave. Deputy Brown did not recall a very long conversation with William when William had the keys in his hand, which were previously on the seat. Deputy Brown told him he was not free to leave. Deputy Brown tried to open the door and the door was locked. Deputy Brown attempted to reach inside and unlock the vehicle door. At that point, William started to drive away while Deputy Brown was grasping the steering wheel and trying to steer it away from the roadway and into the ditch. Deputy Brown recalled being on the driver's side running board of the truck and as he was trying to direct the truck away from the roadway and into the ditch. Deputy Brown stated that he was verbalizing for William to "STOP". Deputy Brown stated that he just wanted William to comply and stop. Deputy Brown stated that Highway 35 is busy, especially at this time on a Friday. Deputy Brown explained that he could not jump off as their two squads were behind William's truck and he did not know if northbound traffic would hit him or run him over. Deputy Brown stated that William fought harder for the steering wheel as he continued on the road and was accelerating. Deputy Brown was trying to turn steering wheel towards the ditch initially so there wouldn't be another pursuit and so innocent drivers and families wouldn't be hurt or killed.

Deputy Brown said the truck was going fast like a roller coaster going down a hill. Deputy Brown stated that based on his training and experience, he could not jump off even at lower speeds without sustaining great bodily harm. Deputy Brown stated that he told William to stop numerous times. Deputy Brown recalled William saying numerous times that he would have to shoot him. Deputy Brown advised William was driving "so quickly" and crossing the centerline into oncoming traffic. Deputy Brown recalled multiple southbound vehicles as William's truck

Wisconsin Division of Criminal Investigation Case Report

Case/Report Number: 23-4795/10 Interview: VCSO Deputy Jonathon Brown - 6/19/2023

continued northbound. Deputy Brown stated that he was in fear for his life and was begging William to stop the vehicle. Deputy Brown stated that he did not have any other choice as William was aiming for the oncoming cars. Deputy Brown directed one shot from his handgun at William to stop the imminent threat against him and the other motorists. Deputy Brown saw William slump over towards the passenger seat. Deputy Brown holstered his handgun and radioed to dispatch that shots were fired. Deputy Brown was heading towards oncoming cars so he worked on turning the steering wheel towards the shoulder of the roadway.

Deputy Brown advised that he was in fear for his life based on the speed and William aiming for oncoming vehicles. Deputy Brown stated that although he has been in combat overseas, he has never had to beg another human to stop a vehicle. Deputy Brown stated that he has never been that afraid in his life. Deputy Brown stated that it felt like highway speeds when he was hanging onto William's truck. Deputy Brown did not know if he was going to get run over by another car or by William's truck. Deputy Brown stated that jumping off would have obviously caused serious injuries or death. Deputy Brown stated deadly force was the last thing he wanted to do, but he only had three total options; get hit/seriously injured/killed by another vehicle; jump off and get run over/seriously injured/killed; use deadly force. Deputy Brown stated that if William's truck hit anything, he would have been launched from the vehicle. Deputy Brown stated that he did not want to die in that moment and felt it was life or death. Deputy Brown stated that he had to fire a round and regain control of the situation based on the safety of himself and others. Deputy Brown advised that their law enforcement presence, verbal commands, and other actions had not worked with William. Deputy Brown stated he never imagined his shift going this way. Deputy Brown stated that he could have absolutely died in a split second. Deputy Brown stated that following the OICI, a detective indicated to him that he was glad they were not preparing for a law enforcement funeral.

While the truck was still moving at a slower speed, Deputy Brueggeman positioned his squad vehicle in front of the truck. The truck rear-ended the squad and came to a stop. Deputy Brown updated dispatch about the gunshot wound and requested Emergency Medical Services (EMS). Deputy Brown and Deputy Brueggeman removed William from the truck to begin first aid.

[REDACTED]. Deputy Brueggeman could not get to his emergency bag in the rear of his squad because of the damage. Deputy Brueggeman responded to Deputy Brown's squad down the road for medical supplies.

Deputy Brown advised that a first responder arrived on scene and attempted to help William as well. Deputy Brown rolled William into a recovery position [REDACTED].

Deputy Brown advised that William [REDACTED]. Deputy Brown was asked to move the suspect onto his back for first responders. A first responder [REDACTED].

After Deputy Brueggeman returned, he provided [REDACTED].

[REDACTED]. Deputy Brown stepped back [REDACTED] and [REDACTED].

Wisconsin Division of Criminal Investigation Case Report**Case/Report Number: 23-4795/10 Interview: VCSO Deputy Jonathon Brown - 6/19/2023**

medical personnel moved in. Deputy Brown advised that the first responder was an unknown female and an EMT named Dillon Krause who is also a dispatcher for VCSO were both on-scene providing care. Deputy Brown stated that he moved to the front of the truck and was gagging and hacking afterwards.

Deputy Brueggeman removed Deputy Brown's handgun. Sgt. Winchel secured the body worn cameras and the cameras were turned off for preservation. Deputy Brown recalled taking off his medical gloves and placing them by the rear passenger door of Deputy Brueggeman's squad vehicle.

Deputy Brown sustained injuries and/or bruising to his left tricep/elbow area as well as his ribs. Deputy Brown advised that the injuries were from having to hang onto the vehicle. Those injuries have been captured by photographs. From the scene, Deputy Brown was driven to the office and contacted by WI DOJ-DCI. Deputy Brown provided a public safety statement (PSS) to VCSO Captain Mike Davig.

Agents left the interview room and Deputy Brown viewed his camera footage with his WPPA representation. After viewing the video, Deputy Brown remembered that William said he was going to punch his face in. Deputy Brown also recalled the number of times the suspect told him he was going to have to shoot him. Deputy Brown stated that with wind noise, William may not be heard saying you will have to shoot me. Deputy Brown stated that the abovementioned statements solidified where this encounter would go.

Time of interview: 1:15 P.M. until 3:05 P.M.

CONCLUSION

On June 22, 2023, Special Agents Michael Haverley and Adam Frederick met with Deputy Brown, WPPA Business Agent Jeff Spencer, and WPPA Attorney James L. Palmer, II. A review of this report was completed and minor corrections/clarifications were made.

Wisconsin Division of Criminal Investigation

Interview 23-4795/11

Report Date: 06/20/2023

Primary Information

Description: Interview: Vernon County Deputy Bradley Brueggeman - 6/19/2023
Occurrence From: 06/19/2023 00:00
Occurrence To: 06/19/2023 00:00
Reporting LEO: Haverley, Michael K (Eau Claire Narcotics DCI / Wisconsin Division of Criminal Investigation)
Backup LEO: Frederick, Adam L (Eau Claire Special Assignments DCI / Wisconsin Division of Criminal Investigation)
Report Status: Approved
Report Status Date: 06/29/2023
Approved By: Vosters, Jake E (Wisconsin Division of Criminal Investigation)

Synopsis

On June 19, 2023, Vernon County Sheriff's Office (VCSO) Deputy Bradley Brueggeman was interviewed by Wisconsin Department of Justice - Division of Criminal Investigation following an Officer Involved Critical Incident (OICI) which had occurred on June 16, 2023.

Addresses

Relationship	Address
Interview Location	Vernon County Sheriff's Department, Viroqua, Wisconsin United States of America

Subjects

Relationship	Name	Bio	DOB
Law Enforcement	Brown, Jonathon (Law Enforcement Official)		---
Law Enforcement	Brueggeman, Bradley (Law Enforcement Official)		---
Deceased	Boardman, William S (Person)	61 yr. old, White, Male	████████

Narrative begins on the following page.

Wisconsin Division of Criminal Investigation Case Report**Case/Report Number: 23-4795/11 Interview: VCSO Deputy Bradley Brueggeman - 6/19/2023****SYNOPSIS**

On Friday, June 16, 2023, the Vernon County Sheriff's Office (VCSO) was involved in an Officer-Involved Critical Incident (OICI) on Highway 35 between the Village of Genoa and Gianoli Road in Vernon County, Wisconsin.

VCSO deputies responded to a residence located at S5074 State Highway 35, Genoa, Wisconsin 54632 for a check welfare. During that contact, the male subject left his residence in his pickup truck and a traffic stop was initiated on Highway 35 by Gianoli Road. The Deputy that was initially at the residence for the check welfare arrived at the traffic stop location. As the two Deputies were still in contact with the male subject, he began traveling away from the traffic stop location as one of the deputies was attempting to open the door, remove the keys, and direct the vehicle away from the roadway.

That VCSO Deputy ended up having to hold onto the male subject's vehicle as the vehicle continued northbound on Highway 35. The Deputy fired one round striking the male subject. The Deputies then got the subject's vehicle to slow and stop. First aid was rendered, but the subject died at the scene.

VCSO requested the Wisconsin Department of Justice - Division of Criminal Investigation (WI DOJ-DCI) complete the OICI investigation. Special Agent in Charge (SAC) Jake Vosters received the request as DCI Coordinator for this OICI investigation. Special Agent (SA) Michael Haverley was assigned as the DCI Lead Investigator for this OICI investigation. Additional WI DOJ-DCI Special Agents responded from Eau Claire and Madison.

VCSO Deputy Bradley Brueggeman was interviewed at the Vernon County Sheriff's Office on Monday, June 19, 2023. Wisconsin Professional Police Association (WPPA) Business Agent Jeff Spencer and Attorney James L. Palmer, II were present during the interview. Deputy Brueggeman participated in the interview voluntarily. The interview was not recorded.

INTERVIEWEE

Vernon County Sheriff's Office Deputy Bradley Brueggeman

PARTICIPATING INVESTIGATORS

WI DOJ-DCI Special Agent Michael K. Haverley

WI DOJ-DCI Special Agent Adam L. Frederick

EDUCATION/EXPERIENCE INFORMATION

Wisconsin Division of Criminal Investigation Case Report**Case/Report Number: 23-4795/11 Interview: VCSO Deputy Bradley Brueggeman - 6/19/2023**

Deputy Brueggeman achieved his Associate Degree and completed the 720 hour Wisconsin Law Enforcement Standards Board Academy in 2019.

Deputy Brueggeman was hired by VCSO as a Jail Deputy and then applied and obtained a Patrol Deputy position for VCSO in June of 2021. Deputy Brueggeman has decoy training and attends VCSO in-service and weapons training.

LAW ENFORCEMENT/POLICE DESCRIPTORS

Deputy Brueggeman's [REDACTED] shift was pushed until 5:00 P.M. on June 16, 2023 which was the date this OICI occurred. June 16, 2023 was Deputy Brueggeman's first day on after two days off. Deputy Brueggeman's radio dispatch number is "20". Deputy Brueggeman was operating his assigned 2021 Ford Explorer squad vehicle, which is fully marked and had a light bar. Deputy Brueggeman's squad vehicle has an interior facing camera and a front camera.

At this point of the interview, Special Agent Adam Frederick displayed photographs of Deputy Brueggeman following the OICI. Deputy Brueggeman advised that those photographs were an accurate depiction of his uniform and equipment. Deputy Brueggeman advised that prior to his shift, he obtained a normal amount of sleep which is typically eight hours. Deputy Brueggeman advised that he had not consumed any medications or substances that would preclude him from completing his duties as a sworn Deputy Sheriff for VCSO.

SUBJECT

William S. Boardman M/W DOB: [REDACTED]

HISTORICAL KNOWLEDGE OF SUBJECT

Deputy Brueggeman advised that he had previously arrested William Boardman for an operating while intoxicated (OWI) offense. Deputy Brueggeman did not recall exactly when that OWI contact occurred. Deputy Brueggeman advised that he was aware that VCSO Sergeant (Sgt) Sam Winchel had a vehicle pursuit with William Boardman approximately two days prior to the OICI on June 16, 2023.

PRE-INCIDENT INFORMATION

Deputy Brueggeman began his shift and drove to the VCSO. Deputy Brueggeman was sent to this welfare check call as it was the first call of his shift.

INCIDENT

Deputy Brueggeman was at VCSO when he was called on the phone by dispatch advising of a check welfare call for "William". Deputy Brueggeman advised that William's daughter was worried about him and she wanted police to make contact. Deputy Brueggeman responded to William's address by Genoa from VCSO. Deputy Brueggeman had talked with Sgt. Winchel who had made contact with William regarding the pursuit. Deputy Brueggeman's understanding was that Captain Davig and Sgt. Winchel had made a decision not to arrest based on the mental health concerns. Deputy Brueggeman observed William had bond conditions in the notes section of their call, but the conditions did not apply to this call. Deputy Brueggeman arrived and pulled into the driveway and was met by William when he exited the house. William appeared to be upset and distraught. Deputy Brueggeman stated that when William came out, his daughter also exited. Deputy Brueggeman said the daughter was crying, her face was red, and she was saying something similar to just look at the house. Deputy Brueggeman advised that another unknown male subject was at the house. Deputy Brueggeman did not have an opportunity to interview the unknown male subject. As William was coming outside, he was saying get them out of here and he wanted them to leave the house. Deputy Brueggeman stated that he was trying to talk to William and asked what was going on. Deputy Brueggeman stated that William started to talk about a specific individual that was turning off his power and water. Deputy Brueggeman recalled William mentioning that someone was selling his underwear.

William was walking towards his truck to look for underwear and Deputy Brueggeman followed. Deputy Brueggeman said that he kept a reasonable distance between him and William as William went into his truck. Deputy Brueggeman did not believe William got anything from his truck and then William walked towards his garage. Deputy Brueggeman then talked to the daughter and she said William had a history of substance abuse. Deputy Brueggeman stated the daughter did not believe William was diagnosed with any mental health or medical illnesses.

Deputy Brueggeman stated that William came out of the garage and appeared to be angry and mumbling to himself. William then walked to the house briefly and came back out towards the truck. Deputy Brueggeman asked William not to leave and continued to attempt to get him to tell him what was happening. William got into his truck and the driver side door was open. Deputy Brueggeman stepped into the driver's doorway to prevent it from being closed. William twice attempted to pull the door closed causing the door to hit Deputy Brueggeman in the back. After the second attempt, Deputy Brueggeman moved out of the doorway. William left in his truck so Deputy Brueggeman radioed dispatch providing the plate. Deputy Brueggeman advised William's daughter said it was unusual behavior and she was worried about him. Deputy Brueggeman believed something had transpired at William's house.

Deputy Brueggeman requested Deputy Brown to initiate a traffic stop and mentioned that William may run from him. Shortly after that, Deputy Brown radioed that he was attempting a

Wisconsin Division of Criminal Investigation Case Report**Case/Report Number: 23-4795/11 Interview: VCSO Deputy Bradley Brueggeman - 6/19/2023**

traffic stop and Deputy Brueggeman could hear the siren. Deputy Brown said the vehicle stop was north on Highway 35. Once the vehicle was stopped, Deputy Brueggeman responded to assist. Deputy Brueggeman arrived and pulled behind Deputy Brown's squad vehicle on the east shoulder. Both squad vehicles had emergency lights activated. Deputy Brown was observed standing at the driver's side door of the truck. Deputy Brueggeman approached the driver's side of the truck and attempted to continue the conversation with William by asking what was going on. Deputy Brueggeman recalled William saying something similar to you already know what is going on. Deputy Brueggeman stated that he did not know what William was speaking about.

While speaking during the traffic stop, William's keys were out of the ignition and in his right hand. Deputy Brueggeman stated that William moved the keys like he was going to start the vehicle. Deputy Brueggeman requested William's keys, but William refused. Deputy Brueggeman recalled William saying something similar to go get a real cop so they can bring me in; that is the only way I would talk. Deputy Brueggeman recalled telling William that he didn't want to arrest him. Deputy Brueggeman was trying to ask what happened as William's daughter was crying and William said something similar to how would I know. Deputy Brueggeman recalled William directing a comment at Deputy Brown about pushing his nose through his skull and saying it wasn't a threat, it was a promise.

Deputy Brueggeman believed that William may have made a statement that he was going to leave and get food at the gas station. William brought the keys to the ignition and started the vehicle. Deputy Brueggeman recalled Deputy Brown reaching for the door or keys and William took off and drove North on Highway 35. Deputy Brueggeman believed that Deputy Brown was attempting to get the keys out of the vehicle.

Deputy Brown had stepped up onto the running board and he was now holding onto the truck as it drove away. Deputy Brueggeman ran back to his squad vehicle, activated his siren, and radioed information to dispatch. Deputy Brueggeman recalled updating dispatch that "23" (Deputy Brown) was hanging outside of the vehicle and providing the ten code for pursuit "10-80". Deputy Brueggeman pulled out and was attempting to catch up to William's truck. William's vehicle moved closer to oncoming traffic while Deputy Brown was hanging on to the exterior. Deputy Brueggeman was concerned that if William hit oncoming traffic, it would likely result in the death of Deputy Brown. Deputy Brueggeman was initially concerned about William's safety and then the safety of Deputy Brown and other motorists when William took off. Deputy Brueggeman provided an estimation that William's truck may have been traveling 45-50 miles per hour, but it would be very difficult to know. Deputy Brueggeman stated that the traffic was moderate to heavy at that time. Deputy Brown relayed something over the radio, but Deputy Brueggeman was not sure what he said. Eventually William's truck began to slow and moved into the gravel/grass area of the shoulder. At this time, Deputy Brueggeman estimated William's truck was traveling less than ten miles per hour so he moved in front of the truck with his squad vehicle. Deputy Brueggeman wanted to slow down the truck as much as he could so Deputy

Wisconsin Division of Criminal Investigation Case Report

Case/Report Number: 23-4795/11 Interview: VCSO Deputy Bradley Brueggeman - 6/19/2023

Brown could safely get off. Deputy Brueggeman was hoping William was going to slow the vehicle. The front of William's truck collided with the rear of Deputy Brueggeman's squad vehicle.

Deputy Brueggeman exited his squad at which point he observed [REDACTED]. Deputy Brown radioed dispatch about shots fired. Deputy Brown and Deputy Brueggeman removed William from the truck and attempted to provide life saving measures and EMS had been requested. Deputy Brueggeman could not get into the rear of his squad to retrieve medical equipment based on the damage from the collision. Deputy Brueggeman looked around for something to apply pressure to the wound.

Deputy Brown gave Deputy Brueggeman the keys to his squad so Deputy Brueggeman could get medical supplies. After that, Deputy Brueggeman responded back to the area of William and Deputy Brown. At that point, a first responder was on scene and [REDACTED]. The first responder asked that the medical bag be dumped as they looked for gauze. Deputy Brueggeman [REDACTED] and additional medical responders arrived. Deputy Brueggeman asked fire personnel and EMT's [REDACTED]. The First responder was [REDACTED].

Deputy Brueggeman [REDACTED]. Additional medical responders arrived and they [REDACTED]. Deputy Brueggeman walked with Deputy Brown and they secured Deputy Brown's firearm. Deputy Brown stayed by a squad vehicle as Deputy Brueggeman returned to assist EMS. Shortly after, VCSO Captain Mike Davig and Sgt. Winchel arrived on scene.

Deputy Brueggeman stated that based on the conversation with William's daughter and his previous OWI interaction with William, William was definitely acting differently.

Deputy Brueggeman advised that he had search gloves on when he was attempting to render aid so those gloves may be in a squad vehicle. From the scene, Deputy Brueggeman went to VCSO with Captain Davig where he was contacted by WI DOJ-DCI.

Time of interview: 4:35 P.M. until 5:30 P.M.

CONCLUSION

On June 22, 2023, Special Agents Michael Haverley and Adam Frederick met with Deputy Brueggeman, WPPA Business Agent Jeff Spencer, and WPPA Attorney James L. Palmer, II. Agents left the conference room and Deputy Brueggeman viewed his camera footage. After viewing the video, **

A review of this report was completed and minor corrections/clarifications were made.

Wisconsin Division of Criminal Investigation

Investigative 23-4795/12

Report Date: 06/20/2023

Primary Information

Description: Video surveillance from Dairyland Power Cooperative (ISFSI) - 06/17/2023
Occurrence From: 06/17/2023 12:35
Occurrence To: 06/17/2023 13:35
Reporting LEO: Beardsley, Wade A (ICAC & Computer Crimes DCI / Wisconsin Division of Criminal Investigation)
Backup LEO: Zassenhaus, Maloree N (Eau Claire ICAC DCI / Wisconsin Division of Criminal Investigation)
Report Status: Approved
Report Status Date: 06/29/2023
Approved By: Vosters, Jake E (Wisconsin Division of Criminal Investigation)

Synopsis

On Saturday, June 17, 2023, Wisconsin Department of Justice, Division of Criminal Investigation (DCI) Special Agents (SA) Wade Beardsley and Maloree Zassenhaus, obtained video surveillance footage from the Dairyland Power Cooperative, Independent Spent Fuel Storage Installation (ISFSI), located at S4601 State Hwy 35, Genoa, WI 54632.

Addresses

Relationship	Address
Evidence Located	S4601 State Highway 35, GENOA, Wisconsin 54632 United States of America

Subjects

Relationship	Name	Bio	DOB
Mentioned	Moe, Marty (Person)	White, Male	---

Property

Status	Quantity	Description
Inventory	1	Flash drive containing video surveillance

Narrative begins on the following page.

Wisconsin Division of Criminal Investigation Case Report

Case/Report Number: 23-4795/12 Video surveillance from Dairyland Power Cooperative (ISFSI) - 06/17/2023

On Saturday, June 17, 2023, Wisconsin Department of Justice, Division of Criminal Investigation (DCI) Special Agents (SA) Wade Beardsley and Maloree Zassenhaus, obtained video surveillance footage from the Dairyland Power Cooperative, Independent Spent Fuel Storage Installation (ISFSI), located at S4601 State Hwy 35, Genoa, WI 54632.

Agents met with Dairyland Power ISFSI manager Marty Moe inside the facility. Moe provided a brief overview of their camera system and advised one camera captured the Officer Involved Critical Incident (OICI) from a great distance away.

Two-minutes, forty-six seconds into the video, a dark colored pick-up truck with a topper is observed operating north-bound on Hwy 35, followed by a squad with its emergency lights activated. The pair of vehicles pull over to the side of the road. At eight-minutes, thirty-seconds, the pick-up truck begins driving north-bound on Hwy 35 and is then obscured by trees and other objects. Shortly thereafter, a squad can be seen pursuing the pick-up truck. At eight-minutes, fifty-five seconds, the truck is then observed again continuing north-bound on Hwy 35 before coming to a stop. The squad pursuing the pick-up truck appears to be in close proximity. Due to how far away the OICI occurred from the camera, the footage is extremely grainy and difficult to discern.

The video file was saved to a flash drive and provided to SA Beardsley. The flash drive was logged into evidence at the DCI - Eau Claire field office. The video file was also uploaded to the Critical Incident folder under this case / report number.

Wisconsin Division of Criminal Investigation

Examination of Records 23-4795/13

Report Date: 06/20/2023

Primary Information

Description: Examination of Sergeant Sam Winchel's Body Worn Camera Videos
Occurrence From: 06/20/2023 11:05
Occurrence To: 06/20/2023 13:43
Reporting LEO: Stearns, Randy M (Eau Claire Financial Crimes DCI / Wisconsin Division of Criminal Investigation)
Report Status: Approved
Report Status Date: 06/29/2023
Approved By: Vosters, Jake E (Wisconsin Division of Criminal Investigation)

Synopsis

On June 20, 2023, Special Agent Randy Stearns reviewed Vernon County Sheriff's Office Sergeant Sam Winchel's body worn camera videos contained within the DCI Officer Involved Critical Incident Folder.

Subjects

Relationship	Name	Bio	DOB
Law Enforcement	Winchel, Sam J. (Law Enforcement Official)	White, Male	---
Interviewed	██████████ (Person)	54 yr. old, White, Male	██████████
Interviewed	██████████ (Person)	40 yr. old, White, Female	██████████
Interviewed	██████████ (Person)	29 yr. old, White, Male	██████████
Mentioned	██████████ (Person)	White, Male	---
Mentioned	Boardman, William S (Person)	61 yr. old, White, Male	██████████
Mentioned	██████████ (Person)	28 yr. old, White, Female	██████████

Narrative begins on the following page.

Wisconsin Division of Criminal Investigation Case Report

Case/Report Number: 23-4795/13 - Examination of Sergeant Sam Winchel's Body Worn Camera Videos

On June 20, 2023, Special Agent (SA) Randy Stearns reviewed Vernon County Sheriff's Office Sergeant Sam Winchel's body worn camera videos which were contained within the DCI Officer Involved Critical Incident Folder and within a subfolder titled, "Winchel_BodyCamera".

The properties of the videos indicate the videos were modified approximately 5 hours earlier than the timestamps observed on the videos.

The following is SA Stearns' description of the body worn camera videos:

File Name: Axon Body 2 Video X81100158 2023-06-16 165809

The video was 6 minutes and 16 seconds in length. The beginning date and time were displayed as "2023-06-16 T21:58:10Z".

The video's entirety was of Sergeant Winchel within a squad car taking a telephone call of an unrelated complaint.

File Name: Axon Body 2 Video X81100158 2023-06-16 192802

The video was 10 minutes and 59 seconds in length. The beginning date and time were displayed as "2023-06-17 T00:27:45Z".

The video captures Sergeant Winchel walking up to the incident scene and contacting William Boardman's daughter, [REDACTED], and [REDACTED]'s boyfriend, [REDACTED]. Sergeant Winchel explained to [REDACTED] and [REDACTED] what Sergeant Winchel had known to occur.

At approximately 7:02 minutes into the video, Sergeant Winchel asked [REDACTED] if anything had been "going on" with Boardman. [REDACTED] replied that Boardman was on "meth" and Boardman's parents had died in separate house fires.

The video continued to capture activities after the officer involved death occurred.

File Name: Axon Body 2 Video X81100158 2023-06-16 195807

The video was 6 minutes and 51 seconds in length. The beginning date and time were displayed as "2023-06-17 T00:58:04Z".

The video captures Sergeant Winchel recontacting [REDACTED], and [REDACTED] north of the scene after the officer involved death occurred.

File Name: Axon Body 2 Video X81100158 2023-06-16 201323

The video was 16 minutes and 53 seconds in length. The beginning date and time were displayed as "2023-06-17 T01:13:02Z".

The video captures Sergeant Winchel's contacts with [REDACTED], [REDACTED], [REDACTED], [REDACTED], and [REDACTED] north of the scene after the officer involved death occurred.

Wisconsin Division of Criminal Investigation Case Report

Case/Report Number: 23-4795/13 - Examination of Sergeant Sam Winchel's Body Worn Camera Videos

File Name: Axon Body 2 Video X81100158 2023-06-16 211916

The video was 8 minutes and 19 seconds in length. The beginning date and time were displayed as "2023-06-17 T02:19:21Z".

The video captures Sergeant Winchel's contact with [REDACTED] north of the scene after the officer involved death occurred.

File Name: Axon Body 2 Video X81100158 2023-06-16 212848

The video was 10 minutes and 26 seconds in length. The beginning date and time were displayed as "2023-06-17 T02:28:55Z".

The video captures Sergeant Winchel's contact with [REDACTED] and [REDACTED] north of the scene after the officer involved death occurred.

Additionally, at approximately 02:46 minutes into the video, Sergeant Winchel allows a vehicle pass by the west side of the scene, via the southbound lane of State Highway 35. The unknown female operator stated she lived nearby.

At approximately 09:15 minutes into the video, Sergeant Winchel identifies [REDACTED] and [REDACTED], as being in a vehicle allowed to drive from the north side of the scene to the south side of the scene. At approximately 10:04 the vehicle passes on the west side of the scene via the southbound lane of State Highway 35.

File Name: Axon Body 2 Video X81100158 2023-06-16 222100

The video was 3 minutes and 33 seconds in length. The beginning date and time were displayed as "2023-06-17 T03:20:34Z".

The video captures Sergeant Winchel's contact with [REDACTED] near the scene after the officer involved death occurred.

File Name: Axon Body 2 Video X81100158 2023-06-16 222735

The video was 3 minutes and 28 seconds in length. The beginning date and time were displayed as "2023-06-17 T03:27:45Z".

The video captures Sergeant Winchel's contact with [REDACTED], [REDACTED], and [REDACTED] on the south side of the scene after the officer involved death occurred.

Wisconsin Division of Criminal Investigation

Memo to File 23-4795/14

Report Date: 06/20/2023

Primary Information

Description:	Evidence entered into drying booth-06/20/2023
Reporting LEO:	Maske, Lance A (Eau Claire HT DCI / Wisconsin Division of Criminal Investigation)
Report Status:	Approved
Report Status Date:	06/29/2023
Approved By:	Vosters, Jake E (Wisconsin Division of Criminal Investigation)

Synopsis

On June 20, 2023, Wisconsin Department of Justice-Division of Criminal Investigation (DCI) Special Agent (SA) Lance Maske entered evidence into a drying booth at the Eau Claire County Sheriff's Office.

SA Maske transported the evidence from the DCI Eau Claire Field Office temporary storage locker to the Eau Claire County Sheriff's Office. SA Maske unsealed and placed numerous pieces of clothing into drying booth number four. SA Maske photographed the existing tag noting the drying booth was "clean". SA Maske sealed the drying booth door with a red evidence tag at 10:24 AM.

PDF photos are attached to this report.

Documents

[Document](#)

Drying Booth Photographs

Wisconsin Division of Criminal Investigation

Investigative 23-4795/15

Report Date: 06/22/2023

Warning

Contains entities exempt from disclosure

Primary Information

Description: Neighborhood canvass - 06/17/2023
Occurrence From: 06/17/2023 14:00
Occurrence To: 06/17/2023 15:00
Reporting LEO: Beardsley, Wade A (ICAC & Computer Crimes DCI / Wisconsin Division of Criminal Investigation)
Backup LEO: Zassenhaus, Maloree N (Eau Claire ICAC DCI / Wisconsin Division of Criminal Investigation)
Report Status: Approved
Report Status Date: 06/29/2023
Approved By: Vosters, Jake E (Wisconsin Division of Criminal Investigation)

Synopsis

On the afternoon of June 17, 2023, Wisconsin Department of Justice, Division of Criminal Investigation (DCI) Special Agents (SA) Wade Beardsley and Maloree Zassenhaus, conducted a neighborhood canvass in the area of the Officer Involved Critical Incident (OICI).

Addresses

Relationship	Address
Neighborhood Canvass	E469 Gianoli Rd, Genoa, Wisconsin 54632 United States of America
Neighborhood Canvass	S4726 State Highway 35 [REDACTED], Genoa, Wisconsin 54726 United States of America
Neighborhood Canvass	S4726 State Highway 35 [REDACTED], Genoa, Wisconsin 54632 United States of America
Neighborhood Canvass	S4804 State Highway 35 [REDACTED], Genoa, Wisconsin 54632 United States of America

Subjects

Relationship	Name	Bio	DOB
Interviewed	Christianson, Verlin G (Person)	77 yr. old, White, Male	[REDACTED]
Interviewed	Osthoff, Pamela K (Person)	64 yr. old, White, Female	[REDACTED]
Interviewed - EXEMPT	[REDACTED] (Person)	10 yr. old, White, Female	[REDACTED]
Interviewed	Peck, Gregory A II (Person)	White, Male	---
Interviewed	Reuter, Jennifer S (Person)	53 yr. old, White, Female	[REDACTED]

Narrative begins on the following page.

Wisconsin Division of Criminal Investigation Case Report
Case/Report Number: 23-4795/15 Neighborhood canvass - 06/17/2023

On the afternoon of June 17, 2023, Wisconsin Department of Justice, Division of Criminal Investigation (DCI) Special Agents (SA) Wade Beardsley and Maloree Zassenhaus, conducted a neighborhood canvass in the area of the Officer Involved Critical Incident (OICI).

E469 Gianoli Rd, Genoa, WI: Agents met with homeowner Verlin G Christianson, M/W, DOB [REDACTED] inside his home. Christianson stated he saw a squad car with its lights activated pull over to the side of the road yesterday on highway 35, north-bound. Moments later, Christianson heard over the scanner there had been a shooting. Christianson did not see or hear anything related to the OICI. [REDACTED].

S4804 State Hwy 35, [REDACTED] Genoa, WI: Agents met with homeowner Pamela K Osthoff, F/W, [REDACTED], at the front door of her residence. Osthoff stated she observed a marked squad with its emergency lights and siren activated pulling over a dark-colored pick-up truck with a topper on Highway 35. Osthoff stated at one point she could hear faint yelling between two male voices but couldn't make out what they were saying. Osthoff did not witness any other portion of the OICI. [REDACTED].

S4726 State Hwy 35, [REDACTED] Genoa, WI: Agents met with homeowner Gregory A Peck II, M/W, DOB [REDACTED], and his daughter [REDACTED], F/W, DOB [REDACTED]. Greg advised he did not hear or witness anything related to the OICI. [REDACTED] advised she and her friend observed a vehicle get pulled over by two squad cars on Highway 35. [REDACTED] described the vehicle as a bigger car that was blue or dark in color. [REDACTED] stated she later saw the car drive away followed by a squad with its emergency lights heading in the same direction. [REDACTED] thought perhaps the vehicle left when it wasn't supposed to leave. [REDACTED] believes the traffic stop happened around 5 or 6pm yesterday. [REDACTED].

S4726 State Hwy 35, [REDACTED], Genoa, WI: Agents met with homeowner Jennifer S Reuter, F/W, DOB [REDACTED], outside her residence. Reuter stated she was in her garden yesterday early evening when she saw an SUV squad with its emergency lights and sirens activated, attempting to catch up to a black pick-up truck. Shortly thereafter, Reuter stated she heard approximately four to five gun shots. Reuter stated she believed this occurred yesterday around 6:30 P.M. Reuter stated she heard the shots approximately twenty to thirty minutes after she saw the squad and pick-up truck pass by.

Wisconsin Division of Criminal Investigation

Examination of Records 23-4795/16

Report Date: 06/22/2023

Primary Information

Description: Examination of Deputy Bradley Brueggemans's Body Camera
Reporting LEO: Trowbridge, Brian J (Eau Claire HT DCI / Wisconsin Division of Criminal Investigation)
Report Status: Approved
Report Status Date: 07/06/2023
Approved By: Vosters, Jake E (Wisconsin Division of Criminal Investigation)

Synopsis

Wisconsin Department of Justice - Division of Criminal Investigation (WI DOJ-DCI) Special Agent (SA) Brian Trowbridge reviewed squad and body worn camera video footage from Deputy Bradley Brueggeman for this officer involved critical incident (OICI) investigation.

Subjects

<u>Relationship</u>	<u>Name</u>	<u>Bio</u>	<u>DOB</u>
Mentioned	Brown, Jonathon (Law Enforcement Official)		---
Mentioned	Brueggeman, Bradley (Law Enforcement Official)		---
Mentioned	Boardman, William S (Person)	61 yr. old, White, Male	██████

Narrative begins on the following page.

Wisconsin Division of Criminal Investigation Case Report
Case/Report Number: 23-4795/16 - Examination of Deputy Bradley Brueggemans's Body Camera

On June 19th, 2023 Wisconsin Department of Justice – Division of Criminal Investigation (DCI) Special Agent (SA) Brian Trowbridge reviewed body camera and squad video related to this case. The files were uploaded in the DCI Critical Incident Materials folder designated for this case.

SA Trowbridge was aware that on June 16, 2023 DCI SA's were requested to investigate an Officer Involved Critical Incident (OICI) that had occurred in rural Vernon County, Wisconsin. Vernon County Deputies involved were Deputies Bradley Brueggeman and Jonathon Brown. William Boardman was the subject of the initial case Vernon County responded to.

DCI SA Brian Trowbridge examined the following video, which was viewed independently, and entirely, and a synopsis was included below.

Body Camera

Video file: Axon Body 2 Video X81095469 2023-06-16 183240

This video was approximately forty-three minutes and forty-nine seconds (43:49) long and appeared to be the body worn camera of Vernon County Deputy Sheriff Bradley Brueggeman. The date and time stamp in the video was 2023-06-16 T23:32:38Z at the start of the video, and the camera designation noted in the video was AXON BODY 2 X81095460. The ending time stamp read 2023-06-17 T00:16:27Z.

Times noted refer to the time the video has been running.

00:00 – Video begins, Deputy Brueggeman is standing in a residential driveway. A maroon Jeep, license plate [REDACTED], is parked in the driveway.

00:02 – Audio begins.

00:10 – Deputy Brueggeman approaches door to home, motorcycle, license plate WI 4723N, is parked under a covered entry.

00:15 – Door to home opens before Deputy Brueggeman reaches it, and a white male wearing a black long-sleeved Harley Davidson shirt exits the house and said “get out of my house.”

00:16 – Deputy Brueggeman addressed the male, saying “Hey, William!” and the male made a comment about taking something or someone out, and pointed backward over his right shoulder with his thumb, toward the open door.

SA Trowbridge learned that William's full name was William S. Boardman.

00:21 – Deputy Brueggeman said “Hey William, why don't you hold up for one second, explain to me what's going on.” Boardman told Brueggeman that someone had been on his property and had possibly caused damage.

Wisconsin Division of Criminal Investigation Case Report

Case/Report Number: 23-4795/16 - Examination of Deputy Bradley Brueggeman's Body Camera

00:39 – Deputy Brueggeman called after Boardman as he was walking away toward a Dodge pickup in the driveway and said “Hey William, where are you going?” Boardman replied to Brueggeman, and made a comment similar to finding some underwear and a hat.

1:25 – Boardman climbs out of the Dodge truck and again tells Deputy Brueggeman something about finding underwear, and someone having been on his property possibly causing damage.

2:02 – As Boardman walks back to the open door of the house a white male and female, [REDACTED], approach Deputy Brueggeman in the driveway. The female tells Deputy Brueggeman about recent interactions with Boardman that she has had. She then described coming to Boardman’s home and he was sitting on the couch. She opened her mouth and shook her head around in a strange manner, and said that Boardman was doing that while sitting. She asked Boardman what he was doing and he told her “I’m in a tunnel.”

Based on the investigation, SA Trowbridge was aware that the male and female were identified as [REDACTED] and [REDACTED].

2:19 – Boardman exits the house and is talking. He made comments about trying to file a police report, and other comments that SA Trowbridge thought made no sense. Boardman then stopped walking and looked back toward Deputy Brueggeman and said “I’m insane? You’re alllll insane.” When Boardman said this he was waving his hands around in a circle. Boardman then walked off of camera.

2:34 – Deputy Brueggeman asked [REDACTED] whether or not [REDACTED] believed Boardman had mental health issues, or a drug abuse problem.

2:43 – Deputy Brueggeman asked [REDACTED] if Boardman owns any weapons or firearms. [REDACTED] told Brueggeman that she did not believe so.

3:11 – Deputy Brueggeman asked [REDACTED] and [REDACTED] if Boardman had made any comments about harming himself or others. Both the male and female said that Boardman never said anything specific about harming himself or anyone, but that he had talked about being “on the edge of death.”

3:34 – Deputy Brueggeman asked the [REDACTED] and [REDACTED] if Boardman had any medical conditions and they both said no. [REDACTED] and [REDACTED] told Deputy Brueggeman about multiple traumatic experiences that Boardman had, and that Boardman had started using drugs.

4:30 – Boardman walks back into view of the camera as Deputy Brueggeman is asking [REDACTED] and the male if they could leave since that is what Boardman wants, and Deputy Brueggeman would try to talk to Boardman. Boardman continues to walk away, and comments about Deputy Brueggeman’s statement.

Wisconsin Division of Criminal Investigation Case Report

Case/Report Number: 23-4795/16 - Examination of Deputy Bradley Brueggemans's Body Camera

4:54 – Boardman comments about police escorts, then Boardman closes the screen door to the house then walks back toward Deputy Brueggeman.

5:04 – Boardman made comments about random things not related to any prior conversation, and he sounded and appeared to be agitated.

5:15 – Deputy Brueggeman told Boardman that the others were going to leave, and Boardman replied “yeah, thanks.” Deputy Brueggeman attempted to engage in a conversation with Boardman, and Boardman continued to walk away from Deputy Brueggeman. Boardman then walked to a dark colored Dodge pickup with Wisconsin license plate SJ2723 and got in.

5:36 – Deputy Brueggeman asked Boardman to explain the situation to him. Boardman started talking about things that SA Trowbridge didn’t feel were related to the situation, or prior conversation, and didn’t make sense.

6:42 – Deputy Brueggeman pleads with Boardman asking for Boardman to talk with him. Boardman continues to talk, then violently pulls the door closed.

6:57 – Boardman drives out of the driveway and turns right onto Highway 35.

7:16 – Deputy Brueggeman talked to [REDACTED] in the driveway and asked her what was going on. [REDACTED] told Deputy Brueggeman “he’s lost his mind.” [REDACTED] also mentioned someone living in a camper on the property and telling her that Boardman would stay in the house for days without coming out.

8:28 – Radio traffic can be heard involving another deputy stopping Boardman, and Deputy Brueggeman leaves to go to the traffic stop.

9:50 – Deputy Brueggeman stops his squad and gets out at the scene where another deputy had stopped Boardman on Highway 35.

Based on the investigation, SA Trowbridge was aware that Deputy Brown was the deputy in contact with Boardman.

10:14 – Deputy Brueggeman approached Deputy Brown, who was trying to talk to Boardman. Boardman can be seen talking, but there is a freight train passing nearby and what he is saying is mostly unintelligible.

10:29 – Boardman can be heard making comments about his mental state.

10:37 – Deputy Brueggeman asked Boardman for his keys and Boardman refused and commented about Deputy Brueggeman’s authority as law enforcement.

11:38 – Boardman makes comments regarding his clothing that don’t seem to fit the conversation.

Wisconsin Division of Criminal Investigation Case Report
Case/Report Number: 23-4795/16 - Examination of Deputy Bradley Brueggemans's Body Camera

12:42 – Boardman tells the deputies he is going to leave, then Boardman put the key in the ignition and Deputy Brown can be seen trying to open the truck door, Deputy Brown reaches into the open driver's window.

12:50 – Boardman is seen holding the truck door closed and appeared to challenge Deputy Brown.

12:55 – Deputy Brown told Boardman "give me your keys," Boardman refused.

12:59 – Deputy Brown told Boardman "give me your keys, right now." Boardman stared at Deputy Brown, then replied "you're gonna have to take them."

13:04 – Deputy Brown told Boardman "I'm asking you for them." Boardman replied "and I'm telling you you're gonna have to take 'em." Boardman continues to stare at Deputy Brown.

13:09 – Deputy Brown asked Boardman "you going to try to drive away?" Boardman replied "no, I'll try and drive your nose through your face, I'm sick of it." Deputy Brown asked Boardman "is that a threat?" Boardman replied "no, it's not a threat. Not a threat at all. That is a fuckin promise...you're not the law, you're a bought fucking law, and I'm not gonna go."

13:29 – Deputy Brown turns toward Deputy Brueggeman and asked Deputy Brueggeman what he had for Boardman. Deputy Brueggeman said he was just trying to talk to him to understand what's going on.

13:39 – Boardman told Deputy Brueggeman and Deputy Brown that he was leaving. Deputy Brown told Boardman that he was not free to leave.

13:49 – Boardman starts the pickup and Deputy Brown reaches in the driver's window.

13:55 – Boardman pulls away from the traffic stop with Deputy Brown standing on the driver's side running board with his left arm inside of the driver's window. Deputy Brueggeman turns and runs back to his squad.

14:07 – Deputy Brueggeman opens the driver's door to his squad and as Deputy Brueggeman moves to enter his squad Boardman's vehicle can be seen driving away in the wrong lane of traffic, and another vehicle can be seen in the distance coming toward Boardman's pickup. SA Trowbridge used VLC media player to view this portion of the video frame-by-frame as it moves quickly.

14:16 – Deputy Brueggeman is in his squad and calls in the situation via radio indicating a pursuit with Deputy Brown hanging off the side of the vehicle.

14:30 – Radio traffic that sounds like "shots fired."

14:49 – Deputy Brueggeman stops his squad and it appears that the squad is impacted by something. When Deputy Brueggeman exits the squad the front bumper of Boardman's black

Wisconsin Division of Criminal Investigation Case Report

Case/Report Number: 23-4795/16 - Examination of Deputy Bradley Brueggeman's Body Camera

truck is in contact with the rear bumper of Deputy Brueggeman's squad. Deputy Brown is still hanging onto the side of the pickup and was talking on his radio.

15:07 – Deputy Brueggeman asks Deputy Brown to confirm if he had said that shots were fired. Deputy Brown confirmed that was what he had said. Deputy Brueggeman asked Deputy Brown if he had requested EMS, and Deputy Brown used his radio to call that request in.

15:21 – Deputy Brueggeman walked to the passenger side of the pickup, and viewers can see that the passenger side window is shattered and mostly missing. Boardman can be seen slumped over in the driver's seat.

15:30 – Deputy Brown can be heard making exclamations about the situation, Deputy Brueggeman can be heard asking if there are first aid actions that can be taken.

15:50 – Deputy Brueggeman can be seen looking through his squad, then moving the squad so he can attempt to access the cargo area. When Deputy Brueggeman is not able to access the cargo area he asked Deputy Brown if Brown had any gauze.

16:55 – Deputy Brown asks Deputy Brueggeman about traffic.

17:34 - Deputy Brown asks Deputy Brueggeman for his assistance removing Boardman from the pickup. The deputies lay Boardman on the ground outside of the pickup. Deputy Brown tells Deputy Brueggeman that he has first aid supplies in his squad, and Deputy Brueggeman leaves in his squad. Deputy Brueggeman drives back to Deputy Brown's squad and retrieves a first aid kit.

20:00 – Deputy Brueggeman returns to the location of Deputy Brown, and Boardman, and there is a female assisting Deputy Brown [REDACTED].

21:30 – Deputy Brueggeman goes to his squad and moves it to provide traffic control for the scene.

22:00 – A male first responder asks Deputy Brueggeman if he wanted traffic stopped.

22:20 – Deputy Brueggeman [REDACTED]. The female first responder [REDACTED]. Deputies and first responders attempt to resuscitate Boardman.

29:00 – Deputy Brown is seen leaning on the hood of the pickup. Deputy Brueggeman walks over to Deputy Brown, and removes Brown's handgun from its holster. Brueggeman carries the handgun back to his squad and places it into a plastic bag, then walks back to Deputy Brown to check on Deputy Brown. Deputies Brueggeman and Brown walk back to Brueggeman's squad and talk to each other.

32:40 – Vernon County Sheriff's Office Captain M. Davig spoke with Deputies Brown and Brueggeman about this incident outside of Deputy Brueggeman's squad.

Wisconsin Division of Criminal Investigation Case Report
Case/Report Number: 23-4795/16 - Examination of Deputy Bradley Brueggemans's Body Camera

34:50 – Deputy Brueggeman returns to Boardman’s pickup. Several first responders are on scene

[REDACTED].

41:15 – Vernon County Sheriff’s Office Sergeant (Sgt.) Sam Winchel spoke with Deputies Brown and Brueggeman at Deputy Brueggeman’s squad. Sgt. Winchel walks away and Deputies Brueggeman and Brown talk.

42:55 – A first responder from Gunderson Health System checks Deputy Brown’s vitals at Deputy Brueggeman’s squad.

43:40 – Captain Davig tells Deputy Brueggeman to secure the body cameras, and shut them off.

43:49 – Audio and video end.

Squad Camera

Video file: 1D03AE0D20230607232655001i100.avi

This video is approximately one minute and forty-two seconds long. The time stamp is 6/7/23 at 23:26:23. The video shows the squad driving on an unknown roadway at night, and the deputy stops to pick up debris in the roadway. The video appears to be unrelated to this case.

Video file: 1D03AE0D20230607232655001i200.avi

This video is approximately one minute and forty-two seconds long. The time stamp is 6/7/23 at 23:26:23. The video is a rear facing view of the squad interior and Deputy Brueggeman driving. The video appears to be unrelated to this case.

Video file: 1D03AE0D20230608203813001i100.avi

This video is approximately six minutes and forty seconds long. The time stamp is 6/8/23 at 20:37:41. The video shows the squad driving on an unknown roadway at dusk. The deputy makes a traffic stop on a dark colored sedan. The video appears to be unrelated to this case.

Video file: 1D03AE0D20230608203813001i200.avi

This video is approximately six minutes and forty seconds long. The time stamp is 6/8/23 at 20:37:41. The video is a rear facing view of the squad interior and Deputy Brueggeman driving. The video appears to be unrelated to this case.

Video file: 1D03AE0D20230616184107001i100.avi

This video is approximately forty-six minutes and fifty-three seconds long. The time stamp is 6/16/23 at 18:40:34. The video shows the squad driving during daylight on a highway. A synopsis of the video is below.

Wisconsin Division of Criminal Investigation Case Report
Case/Report Number: 23-4795/16 - Examination of Deputy Bradley Brueggemans's Body Camera

Times noted refer to the time the video has been running.

00:41 – The squad stops behind another squad that has red and blue emergency lights activated and is stopped along the highway. There is a freight train passing on the left side of the video. Deputy Brueggeman exits the squad and walks out of sight in front of the other squad.

04:46 – Deputy Brueggeman runs toward the parked squad, gets in, and drives off. Deputy Brueggeman passes nine vehicles traveling in the opposite direction.

05:17 – Deputy Brueggeman pulls up behind a black pickup truck, Deputy Brown is holding on to the side of the pickup and standing on the driver's side running board. Radio traffic can be heard of someone yelling. The pickup continues to drive along the shoulder of the roadway with Deputy Brown on the side of it.

05:30 – Deputy Brueggeman drives around the pickup and pulls over. The video appears as if the squad was impacted from behind.

06:36 – The sound of doors on the squad opening can be heard and Deputy Brueggeman walks around the front of the squad.

08:50 – The squad turns around and drives back to Deputy Brown's squad. Deputy Brueggeman can be seen retrieving items from Brown's squad, then returns to Deputy Brown's location where he parks behind the black pickup.

22:40 – Two deputies can be seen walking back to the squad. Doors can be heard opening, and there is muffled talking coming from off camera.

46:53 – Video and audio end

Video file: 1D03AE0D20230616184107001i200.avi

This video is approximately forty-six minutes and fifty-three seconds long. The time stamp is 6/16/23 at 18:40:34. The video is a rear facing view of the squad interior and Deputy Brueggeman driving. A synopsis of the video is below.

Times noted refer to the time the video has been running.

00:43 – Deputy Brueggeman stops the squad and exits.

04:53 – Deputy Brueggeman enters the squad, activates the siren, uses the police radio, and accelerates away.

05:36 – Deputy Brueggeman stops the squad and exits, and as he does so it appears that the squad lurches as if it were impacted from behind.

06:50 – Deputy Brueggeman briefly enters the squad and appears to move it.

Wisconsin Division of Criminal Investigation Case Report
Case/Report Number: 23-4795/16 - Examination of Deputy Bradley Brueggemans's Body Camera

08:47 – Deputy Brueggeman enters the squad, drives to another location and briefly exits, then reenters and drives to another location where he stops and exits the squad.

22:38 – Door can be heard opening, and talking from off camera can be heard.

46:53 – Video and audio end.

Video file: 1D03AE0D20230617000710001i100.avi

This video is approximately one minute and forty-six seconds long. The time stamp is 6/17/23 at 00:06:38. The video shows the squad parked in almost total darkness. A synopsis of the video is below.

Times noted refer to the time the video has been running.

00:01 – Multiple people can be seen walking in front of the squad. It is nighttime and very little can be seen.

01:46 - Video and audio end

It is the belief of SA Trowbridge that the squad camera was mistakenly activated while parked on scene of this OICI. Nothing can be seen or heard in the video that is relevant to this case.

Video file: 1D03AE0D20230617000710001i200.avi

This video is approximately one minute and forty-six seconds long. The time stamp is 6/17/23 at 00:06:37. The video shows a rear view of the squad interior, and it is dark outside of the squad. A synopsis of the video is below.

Times noted refer to the time the video has been running.

00:05 - A deputy enters the squad briefly, then talks to someone off camera. The deputy appears to try and start the squad with no success.

01:46 - Video and audio end

It is the belief of SA Trowbridge that the squad camera was mistakenly activated while parked on scene of this OICI. Nothing can be seen or heard in the video that is relevant to this case.

Wisconsin Division of Criminal Investigation

Investigative 23-4795/17

Report Date: 06/22/2023

Primary Information

Description:	Uniform and Weapons Inspection: Deputy Bradley Brueggeman
Occurrence From:	06/16/2023 22:26
Occurrence To:	06/16/2023 22:26
Reporting LEO:	Frederick, Adam L (Eau Claire Special Assignments DCI / Wisconsin Division of Criminal Investigation)
Report Status:	Approved
Report Status Date:	07/05/2023
Approved By:	Vosters, Jake E (Wisconsin Division of Criminal Investigation)

Addresses

<u>Relationship</u>	<u>Address</u>
Location of Event	Vernon County Sheriff's Department, Viroqua, Wisconsin United States of America

Narrative begins on the following page.

Wisconsin Division of Criminal Investigation Case Report
Case/Report Number: 23-4795/17

On Friday, June 16, 2023, at approximately 10:15 P.M., Special Agent (S/A) Adam L. Frederick met with Vernon County Sheriff's Office Deputy Bradley Brueggeman at the Vernon County Sheriff's office. Deputy Brueggeman was accompanied by other law enforcement officers. S/A Frederick introduced himself to Deputy Brueggeman and explained to him the process of an Officer Involved Critical Incident investigation (OICI). Deputy Brueggeman was told the entire process was voluntary and he did not have to participate in any portion of the investigation.

Deputy Brueggeman agreed to participate in a uniform and weapons inspection. During the inspection, S/A Frederick captured 11 digital images of Deputy Brueggeman, his firearm, and magazines. Deputy Brueggeman stated he was in the same uniform captured by digital images as he was during the OICI.

Deputy Brueggeman carried a Glock 17, Gen 5, Serial number BLNG561, with a tactical Streamlight TLR – 1 HL. The magazine capacity was 17 rounds. The inserted magazine had all 17 unfired cartridges plus one that was chambered. The two spare magazines also contained 17 unfired cartridges each.

The digital images were transferred to a .pdf document and electronically attached to this report.

A crime victim's packet was also provided to Deputy Brueggeman, and he provided a signature to the acknowledgement form. The acknowledgement form was electronically scanned and attached to this report.

Madison, Wisconsin 53707-7857

WISCONSIN STATUTES, CHAPTER 950, AND STATE CONSTITUTIONAL AMENDMENT (ARTICLE I, SECTION 9M) DEFINE VICTIM AND WITNESS RIGHTS IN WISCONSIN.

LAW ENFORCEMENT, PROSECUTORS, JUDGES AND OTHER CRIMINAL JUSTICE OFFICIALS WORK TOGETHER TO ENSURE THAT VICTIMS AND WITNESSES OF CRIMES RECEIVE THE RIGHTS AND SERVICES TO WHICH THEY ARE ENTITLED.

I, BRADLEY DRUEGGEMAN, hereby certify that I have been provided with a copy of the brochure prepared by the Division of Criminal Investigation (DCI), which explains my rights under Wisconsin Statute § 950 and the Wisconsin State Constitution, by DCI Special Agent ADAM FROEDERICK MEKE HANLEY

I understand that I can call the Department of Justice's Crime Victim Resource Center at the toll-free number provided in the DCI brochure with any questions I may have or for further assistance.

Signed: Bruce Rogers
Date: 6-17-23

Witnesses: _____

Wisconsin Division of Criminal Investigation

Investigative 23-4795/18

Report Date: 06/22/2023

Primary Information

Description:	Uniform and Weapons Inspection: Deputy Brown
Occurrence From:	06/16/2023 22:43
Occurrence To:	06/16/2023 22:43
Reporting LEO:	Frederick, Adam L (Eau Claire Special Assignments DCI / Wisconsin Division of Criminal Investigation)
Report Status:	Approved
Report Status Date:	07/05/2023
Approved By:	Vosters, Jake E (Wisconsin Division of Criminal Investigation)

Addresses

<u>Relationship</u>	<u>Address</u>
Location of Event	Vernon County Sheriff's Department, Viroqua, Wisconsin United States of America

Subjects

<u>Relationship</u>	<u>Name</u>	<u>Bio</u>	<u>DOB</u>
Law Enforcement	Brown, Jonathon (Law Enforcement Official)		---

Property

<u>Status</u>	<u>Quantity</u>	<u>Description</u>
Inventory	1	Duty Pants

Narrative begins on the following page.

Wisconsin Division of Criminal Investigation Case Report
Case/Report Number: 23-4795/18

On Friday, June 16, 2023, at approximately 10:43 P.M., Special Agent (S/A) Adam L. Frederick met with Vernon County Sheriff's Office Deputy Jonathon Brown at the Vernon County Sheriff's office. Deputy Brown was accompanied by Wisconsin Professional Police Association Business Agent Jeff Spencer and later Attorney Jim Palmer. S/A Frederick introduced himself to Deputy Brown and explained to him the process of an Officer Involved Critical Incident investigation (OICI). Deputy Brown was told the entire process was voluntary and he did not have to participate in any portion of the investigation.

Deputy Brown agreed to participate in a uniform and weapons inspection. During the inspection, S/A Frederick captured nine digital images of Deputy Brown and spare magazines. Deputy Brown's firearm that was utilized during the OICI was removed and replaced earlier in the evening. Deputy Brown stated he was in the same uniform captured by digital images as he was during the OICI excluding the replaced firearm.

Deputy Brown said his magazine capacity was 17 rounds. The two spare magazines contained 17 unfired cartridges each.

The digital images were transferred to a .pdf document and electronically attached to this report.

A crime victim's packet was also provided to Deputy Brown, and he provided a signature to the acknowledgement form. The acknowledgement form was electronically scanned and attached to this report.

WISCONSIN DEPARTMENT OF JUSTICE
Division of Criminal Investigation
17 W. Main Street, P.O. Box 7857
Madison, Wisconsin 53707-7857

WISCONSIN STATUTES, CHAPTER 950, AND STATE CONSTITUTIONAL AMENDMENT (ARTICLE I, SECTION 9M) DEFINE VICTIM AND WITNESS RIGHTS IN WISCONSIN.

LAW ENFORCEMENT, PROSECUTORS, JUDGES AND OTHER CRIMINAL JUSTICE OFFICIALS WORK TOGETHER TO ENSURE THAT VICTIMS AND WITNESSES OF CRIMES RECEIVE THE RIGHTS AND SERVICES TO WHICH THEY ARE ENTITLED.

I, Jonathon Brown, hereby certify that I have been provided with a copy of the brochure prepared by the Division of Criminal Investigation (DCI), which explains my rights under Wisconsin Statute § 950 and the Wisconsin State Constitution, by DCI Special Agent ADAM FREDERICK MIKE HAVERLEY

I understand that I can call the Department of Justice's Crime Victim Resource Center at the toll-free number provided in the DCI brochure with any questions I may have or for further assistance.

Signed: _____

Date: _____

6/16/23

Witnesses: _____

Wisconsin Division of Criminal Investigation

Investigative 23-4795/19

Report Date: 06/22/2023

Primary Information

Description: **Body Worn Camera and Squad Camera Data (Winchel, Brown, Brueggeman)**
Occurrence From: **06/17/2023 02:31**
Occurrence To: **06/17/2023 02:31**
Reporting LEO: **Frederick, Adam L (Eau Claire Special Assignments DCI / Wisconsin Division of Criminal Investigation)**
Report Status: **Approved**
Report Status Date: **07/05/2023**
Approved By: **Vosters, Jake E (Wisconsin Division of Criminal Investigation)**

Addresses

<u>Relationship</u>	<u>Address</u>
Location of Event	Vernon County Sheriff's Department, Viroqua, Wisconsin United States of America

Subjects

<u>Relationship</u>	<u>Name</u>	<u>Bio</u>	<u>DOB</u>
Law Enforcement	Brown, Jonathon (Law Enforcement Official)		---
Law Enforcement	Brueggeman, Bradley (Law Enforcement Official)		---
Law Enforcement	Winchel, Sam J. (Law Enforcement Official)	White, Male	---

Narrative begins on the following page.

Wisconsin Division of Criminal Investigation Case Report
Case/Report Number: 23-4795/19

On Friday, June 16, 2023, and into the early morning hours of Saturday, June 17, 2023, Special Agent (S/A) Adam L. Frederick was assigned to work with Digital Evidence Examiner (DEE) Teai Czajka in an attempt to recover the data collected from the body worn camera (bwc) and squad cameras from Deputy Brown, Deputy Brueggeman, and Sgt. Winchel. Deputy Brown and Deputy Brueggeman's bwc were previously collected and turned over to DCI staff. Sgt. Winchel's bwc was turned over to S/A Frederick on June 17, 2023, at 2:31 A.M.

The body worn camera data could only be extracted utilizing a Vernon County Sheriff's Office laptop with the proprietary software that would communicate with the hardware. DEE Czajka was able to extract the data from the three law enforcement officers bwc utilizing Sgt. Winchel's assigned laptop. The data from the two squad cameras as well as the all the data captured from the bwc were placed onto an external drive and turned over to S/A Frederick.

The data was uploaded to the critical incident folder and reviews of video were done separately. The external drive was turned over to Case Agent Michael Haverley.

Wisconsin Division of Criminal Investigation

Investigative 23-4795/20

Report Date: 06/22/2023

Primary Information

Description:	Vernon County Dispatch: Radio traffic, calls, and CAD
Occurrence From:	06/19/2023 12:00
Occurrence To:	06/19/2023 12:00
Reporting LEO:	Frederick, Adam L (Eau Claire Special Assignments DCI / Wisconsin Division of Criminal Investigation)
Report Status:	Approved
Report Status Date:	07/10/2023
Approved By:	Heiser, Shane T (Wisconsin Division of Criminal Investigation)

Addresses

<u>Relationship</u>	<u>Address</u>
Location of Event	Vernon County Sheriff's Department, Viroqua, Wisconsin United States of America

Subjects

<u>Relationship</u>	<u>Name</u>	<u>Bio</u>	<u>DOB</u>
Law Enforcement	Davig, Michael (Law Enforcement Official)		---

Narrative begins on the following page.

Wisconsin Division of Criminal Investigation Case Report
Case/Report Number: 23-4795/20

On Friday, June 16, 2023, the Vernon County Sheriff's Office (VCSO) was involved in an officer-involved critical incident (OICI) on Highway 35 between the Village of Genoa and Gianoli Road in Vernon County, Wisconsin. Special Agent (S/A) Adam L. Frederick responded to the Vernon County Sheriff's Office and eventually contacted staff in the Vernon County Dispatch Center. S/A Frederick requested dispatch to make a copy of all radio traffic, calls, and CAD entries associated with the OICI from beginning of the OICI to the conclusion of the case.

S/A Frederick was told a supervisor had the authority to obtain those records and a message would be sent to the supervisor. On Monday June 19, 2023, S/A Frederick received an external drive from Vernon County Sheriff's Office Captain Davig at the Vernon County Sheriff's Office. S/A Frederick reviewed the data on the external drive and uploaded the data to the critical incident folder.

The external drive had a .pdf document that had the dispatch report data. The zipped folder on the external drive was labeled 23_12398 and contained 314 audio clips. Most of the files were related to radio transmissions from law enforcement to and from dispatch. The audio transmissions of what transpired during the OICI were consistent with the audio that was captured on the body worn camera (BWC) data.

The last audio file in the folder was a call made by the decedent's daughter to dispatch for a welfare check. She explained her father needed to be committed and described his behaviors. She said her father would not get help willingly and that he was not, "ok."

Wisconsin Division of Criminal Investigation

Examination of Records 23-4795/21

Report Date: 06/22/2023

Primary Information

Description: Deputy Brown Injury Photos provided by WPPA BA Spencer
Occurrence From: 06/19/2023 14:04
Occurrence To: 06/19/2023 14:04
Reporting LEO: Frederick, Adam L (Eau Claire Special Assignments DCI / Wisconsin Division of Criminal Investigation)
Report Status: Approved
Report Status Date: 07/05/2023
Approved By: Vosters, Jake E (Wisconsin Division of Criminal Investigation)

Subjects

<u>Relationship</u>	<u>Name</u>	<u>Bio</u>	<u>DOB</u>
Law Enforcement	Brown, Jonathon (Law Enforcement Official)		---
Mentioned	Spencer, Jeffrey R (Person)	White, Male	---

Narrative begins on the following page.

Wisconsin Division of Criminal Investigation Case Report
Case/Report Number: 23-4795/21

On Monday, June 19, 2023, Special Agent (S/A) Adam L. Frederick received an email from Wisconsin Professional Police Association Business Agent (B/A) Jeff Spencer. The email from B/A Spencer was at the request of S/A Frederick.

S/A Frederick met with Vernon County Sheriff's Office Deputy Brown the night of the Officer Involved Critical Incident (OICI) for a weapons and uniform inspection. During that inspection, Deputy Brown showed S/A Frederick marks to his forearm resulting from hanging onto the subject's door.

S/A Frederick requested Deputy Brown to have someone that he was comfortable with take pictures throughout the week of his injuries to show the injuries progression and regression. The emailed photographs indicated the photographs were injuries to Jon Brown and they were taken by [REDACTED] on June 18, 2023, at 1:21 A.M. and at 3:48 P.M.

The photographs were electronically attached to this report as a .pdf file.

Wisconsin Division of Criminal Investigation

Investigative 23-4795/22

Report Date: 06/22/2023

Primary Information

Description: Vehicle Searches 2001 Dodge Dakota and VCSO Police Interceptor
Occurrence From: 06/22/2023 10:30
Occurrence To: 06/22/2023 11:30
Reporting LEO: Greeno, Jay T (Eau Claire Narcotics DCI / Wisconsin Division of Criminal Investigation)
Backup LEO: Kleinhans, David J (Arson DCI / Wisconsin Division of Criminal Investigation)
Report Status: Approved
Report Status Date: 06/29/2023
Approved By: Vosters, Jake E (Wisconsin Division of Criminal Investigation)

Synopsis

On June 22, 2023, Wisconsin Department of Justice - Division of Criminal Investigation (WI DOJ-DCI) Special Agents (SA) Jay Greeno, David Kleinhans, and Adam Frederick conducted vehicle searches at a secure impound lot in the City of Viroqua, Vernon County, Wisconsin. The vehicles searched included a black 2001 Dodge Dakota with Wisconsin registration of SJ2723, registered to William S. Boardman. The second vehicle searched was a Vernon County Sheriff's Office (VCSO) marked squad. SA Kleinhans took digital photographs of both vehicles and collected evidence during the search of the Dodge Dakota.

Addresses

Relationship	Address
Location of Event	326 Fairlane Dr, VIROQUA, Wisconsin 54665 United States of America

Subjects

Relationship	Name	Bio	DOB
Deceased	Boardman, William S (Person)	61 yr. old, White, Male	

Property

Status	Quantity	Description
Inventory	1	Clear glass smoking pipe

Narrative begins on the following page.

Wisconsin Division of Criminal Investigation Case Report
Case/Report Number: 23-4795/22 Vehicle photographs and searches
SA Jay Greeno

On June 22, 2023, Wisconsin Department of Justice - Division of Criminal Investigation (WI DOJ-DCI) Special Agents (SA) Jay Greeno, David Kleinhans, and Adam Frederick conducted vehicle searches at a secure impound lot in the City of Viroqua, Vernon County, Wisconsin. The vehicles searched included a black 2001 Dodge Dakota with Wisconsin registration of SJ2723 and vehicle identification number 1B7GG26N11S113521. The vehicle is registered to William S. Boardman of S5074 State Highway 35, Genoa, WI. The second vehicle searched was a Vernon County Sheriff's Office (VCSO) marked squad, Police Ford Interceptor, with Wisconsin official registration of F1241 and vehicle identification number of 1FM5KSAW3MNA20314. The Police Interceptor was registered to the Vernon County Sheriff's Office at 1320 Bad Axe Court, Viroqua, WI 54665. SA Kleinhans took digital photographs of both vehicles and collected evidence during the search of the Dodge Dakota.

At approximately 10:30 a.m., SA Kleinhans and Greeno conducted a walk around of the black Dodge Dakota. SA Kleinhans and Greeno noticed red staining, [REDACTED], [REDACTED], all around the interior driver's seat area, center console, and rear driver's side window of the vehicle and a shattered passenger side window that both appeared to have occurred during the incident on June 16, 2023. There was also a small scratch on the front bumper and the front license plate was hanging down, which was believed to have occurred when the Dodge Dakota ran into the rear of the VCSO Police Interceptor. (See figures 1, 2, 3, and 4)

Wisconsin Division of Criminal Investigation Case Report
Case/Report Number: 23-4795/22 Vehicle photographs and searches
SA Jay Greeno



Figure 1 (IMG_0009 front of WI Auto SJ2723-Captured by S/A Kleinhans)



Figure 2 (IMG_0005 Driver side of WI Auto SJ2723-Captured by S/A Kleinhans)

Wisconsin Division of Criminal Investigation Case Report
Case/Report Number: 23-4795/22 Vehicle photographs and searches
SA Jay Greeno



Figure 3 (IMG_0001 Rear of WI Auto SJ2723-Captured by S/A Kleinhans)



Figure 4 (IMG_0012 Passenger side of WI Auto SJ2723-Captured by S/A Kleinhans)

After photographing the exterior of the Dodge Dakota, SA Kleinhans photographed the interior of the vehicle. SA Greeno and Kleinhans noticed the passenger side window was broken and the inside driver's side area was heavily soiled [REDACTED]. (See figures 5, 6, 7, and 8)



Figure 5 (IMG_0029 Driver side interior of WI Auto SJ2723-Captured by S/A Kleinhans)



Figure 6 (IMG_0040 Driver side rear window of WI Auto SJ2723-Captured by S/A Kleinhans)



Figure 7 (IMG_0052 Passenger side interior of WI Auto SJ2723-Captured by S/A Kleinhans)



Figure 8 (IMG_0091 Inside of box of WI Auto SJ2723-Captured by S/A Kleinhans).

After photographs were taken of the vehicle, SA Frederick and SA Greeno conducted a search of the vehicle. SA Greeno located a clear glass pipe consistent with one that is commonly used to ingest methamphetamine in a paper bag in the passenger door lower compartment of the Dodge Dakota. The pipe appeared clean and possibly unused. SA Kleinhans marked the item as evidence with placard #1 and photographed it multiple times. SA Greeno then packaged and secured the pipe as evidence at approximately 11:00 a.m. The pipe was later labeled as evidence #23-4795.17 and entered into the evidence facility at the DCI-Eau Claire Field Office. This was the only item secured as evidence from the Dodge Dakota.

After completing the search of the Dodge Dakota, SA Kleinhans photographed and searched the Vernon County Police Interceptor with Wisconsin official registration of F1241 and vehicle identification number of 1FM5KSAW3MNA20314. SA Greeno and Kleinhans did a walk around of the vehicle and noticed moderate to severe damage to the passenger side rear of the Police Interceptor. The passenger side rear taillight was hanging from the back and there was metal damage on the rear lift gate of the Police Interceptor. SA Kleinhans conducted overall

Wisconsin Division of Criminal Investigation Case Report
Case/Report Number: 23-4795/22 Vehicle photographs and searches
SA Jay Greeno

photographs of the interior and exterior of the vehicle. No items of evidentiary value were located in the Police Interceptor. (See figures 9, 10, 11, and 12)



Figure 9 (IMG_0097 Front of VCSO squad F1241-Captured by S/A Kleinhans).



Figure 10 (IMG_0100 Passenger side of VCSO squad F1241-Captured by S/A Kleinhans).



Figure 11 (IMG_0103 Rear of VCSO squad F1241-Captured by S/A Kleinhans).



Figure 12 (IMG_0095 Drivers side of VCSO squad F1241-Captured by S/A Kleinhans).

SA Kleinhans took photographs of the interior of the VCSO squad car as well. There was no internal damage to the squad or anything of evidentiary value taken. (Please see figures 13, 14 and 15)



Figure 13 (IMG_0115 Passenger side interior of VCSO squad F1241-Captured by S/A Kleinhaus).



Figure 14 (IMG_0108 Driver side interior of VCSO squad F1241-Captured by S/A Kleinhans).



Figure 15 (IMG_0121 Rear seats taken from passenger side of VCSO squad F1241-Captured by S/A Kleinhans).

The photographs and vehicle searches were completed at approximately 11:15 a.m. The vehicles were secured and left at the secure impound lot in Vernon County.

Attachments:

SA Greeno packaged and entered the clear glass pipe into evidence at the DCI-Eau Claire Field Office. SA Greeno placed the photographs in a folder for this specific report within the DCI Critical Incident Materials Folder under case number 23-4795.

Wisconsin Division of Criminal Investigation

Investigative 23-4795/23

Report Date: 06/23/2023

Primary Information

Description:	Information related to LPR cameras on VCSO squad vehicle
Reporting LEO:	Haverley, Michael K (Eau Claire Narcotics DCI / Wisconsin Division of Criminal Investigation)
Report Status:	Approved
Report Status Date:	06/29/2023
Approved By:	Vosters, Jake E (Wisconsin Division of Criminal Investigation)

Synopsis

During the course of this officer involved critical incident (OICI) investigation, Wisconsin Department of Justice - Division of Criminal Investigation (DCI) Special Agent Michael Haverley had contacts with the Vernon County Sheriff's Office (VCSO) about data from the license plate reader cameras affixed to a VCSO squad assigned to Deputy Bradley Brueggeman.

Narrative begins on the following page.

Wisconsin Division of Criminal Investigation Case Report

Case/Report Number: 23-4795/23 Information related to LPR cameras on VCSO squad vehicle

During the course of this officer involved critical incident (OICI) investigation, Wisconsin Department of Justice - Division of Criminal Investigation (DCI) Special Agent Michael Haverley had contacts with the Vernon County Sheriff's Office (VCSO) about data from the license plate reader (LPR) cameras affixed to a VCSO squad assigned to Deputy Bradley Brueggeman. DCI requested any data from the VCSO LPR to attempt to identify additional potential witnesses for this investigation.

SA Haverley was initially informed by Sheriff Roy Torgerson that Deputy Bradley Brueggeman's squad vehicle had LPR cameras. SA Haverley was updated by Captain Mike Davig that their new LPR system uploads to cloud storage and data was not stored. SA Haverley was informed that the last data collected by the VCSO LPR camera system was on June 3, 2023.

SA Haverley was copied on an email on June 19, 2023 as a Vernon County IT Technician looked into their BOSS server, which did not show any read outs since the night of June 3, 2023.

Wisconsin Division of Criminal Investigation

Examination of Records 23-4795/24

Report Date: 06/26/2023

Primary Information

Description:	Receipt of WSP TRU Diagrams
Reporting LEO:	Haverley, Michael K (Eau Claire Narcotics DCI / Wisconsin Division of Criminal Investigation)
Report Status:	Approved
Report Status Date:	06/29/2023
Approved By:	Vosters, Jake E (Wisconsin Division of Criminal Investigation)

Synopsis

On June 19, 2023, Wisconsin Department of Justice - Division of Criminal Investigation (DCI) Special Agent (SA) Michael Haverley received an email from Wisconsin State Patrol (WSP) Technical Reconstruction Unit (TRU) Trooper Courtney Mueller. Trooper Mueller provided all files from the diagram of the Vernon County officer involved critical incident (OICI). SA Haverley preserved these files in the DCI Critical Incident Materials Folder.

Narrative begins on the following page.

Wisconsin Division of Criminal Investigation Case Report
Case/Report Number: 23-4795/24 Receipt of WSP TRU Diagrams

On June 19, 2023, Wisconsin Department of Justice - Division of Criminal Investigation (DCI) Special Agent (SA) Michael Haverley received an email from Wisconsin State Patrol (WSP) Technical Reconstruction Unit (TRU) Trooper Courtney Mueller. Trooper Mueller is a Crash Reconstruction Specialist for WSP TRU and she provided all files from the diagram of the Vernon County officer involved critical incident (OICI). SA Haverley was aware that WSP TRU were mapping the scene while it was processed by SA David Kleinhans and SA AJ Agnew. SA Haverley located 18 files within the folder sent by Trooper Mueller.

ATTACHMENT:

SA Haverley preserved these files in the DCI Critical Incident Materials Folder.

Wisconsin Division of Criminal Investigation

Examination of Records 23-4795/25

Report Date: 06/26/2023

Primary Information

Description:	Receipt of Axon Metadata files from VCSO
Reporting LEO:	Haverley, Michael K (Eau Claire Narcotics DCI / Wisconsin Division of Criminal Investigation)
Report Status:	Approved
Report Status Date:	06/29/2023
Approved By:	Vosters, Jake E (Wisconsin Division of Criminal Investigation)

Synopsis

On Sunday, June 25, 2023, Wisconsin Department of Justice - Division of Criminal Investigation (DCI) Special Agent (SA) Michael Haverley received an email from Vernon County Sheriff's Office (VCSO) Sheriff Roy Torgerson. Sheriff Torgerson forwarded the initial email from VCSO Captain Mike Davig, which contained Metadata files from the Axon Body Cameras from Deputy Brueggeman and Deputy Brown. SA Haverley placed these files in the DCI Critical Incident Materials Folder under this case file.

Narrative begins on the following page.

Wisconsin Division of Criminal Investigation Case Report

Case/Report Number: 23-4795/25 Receipt of Axon Metadata files from VCSO

On Sunday, June 25, 2023, Wisconsin Department of Justice - Division of Criminal Investigation (DCI) Special Agent (SA) Michael Haverley received an email from Vernon County Sheriff's Office (VCSO) Sheriff Roy Torgerson. Sheriff Torgerson forwarded the initial email from VCSO Captain Mike Davig, which contained two Metadata files from the Axon Body Cameras from Deputy Brueggeman and Deputy Brown.

Sheriff Torgerson had previously mentioned these files containing metadata for the two body cameras as SA Haverley was obtaining information on VCSO's body cameras for potential GPS data.

ATTACHMENT:

SA Haverley placed these two files in the DCI Critical Incident Materials Folder under this case file.

```
<?xml version="1.0" encoding="UTF-8"?><evidence version="1.0.0">
<title>Axon Body 2 Video X81205168 2023-06-16 184131</title>
<device><serial_no>X81205168</serial_no><manufacturer>TASER
International</manufacturer><model>Axon Body 2</model>
<firmware_version>1.25.16</firmware_version></device><files>
<file><segment_number>1</segment_number><name>Axon Body 2 Video
X81205168 2023-06-16 184131.MP4</name><absolute_path>C:\Users
\mdavig\OneDrive - Vernon County\Documents\Files for
Export</absolute_path><type>primary</type><format>video</format>
<checksums><checksum><hash_algorithm>sha256</hash_algorithm>
<hash>1c43bc20ee94bf078ba41840c5a60f429856a75d8453cf2c8f8edaa1b35
db6eb</hash></checksum></checksums><size>1254638634</size>
<content_type_mime>video/mp4</content_type_mime>
<date_created>2023-06-16T23:41:31Z</date_created>
<date_ends>2023-06-17T00:16:45Z</date_ends></file></files>
</evidence>
```

```
<?xml version="1.0" encoding="UTF-8"?><evidence version="1.0.0">
<title>Axon Body 2 Video X81205168 2023-06-16 184131</title>
<device><serial_no>X81205168</serial_no><manufacturer>TASER
International</manufacturer><model>Axon Body 2</model>
<firmware_version>1.25.16</firmware_version></device><files>
<file><segment_number>1</segment_number><name>Axon Body 2 Video
X81205168 2023-06-16 184131.MP4</name><absolute_path>C:\Users
\mdavig\OneDrive - Vernon County\Documents\Files for
Export</absolute_path><type>primary</type><format>video</format>
<checksums><checksum><hash_algorithm>sha256</hash_algorithm>
<hash>1c43bc20ee94bf078ba41840c5a60f429856a75d8453cf2c8f8edaa1b35
db6eb</hash></checksum></checksums><size>1254638634</size>
<content_type_mime>video/mp4</content_type_mime>
<date_created>2023-06-16T23:41:31Z</date_created>
<date_ends>2023-06-17T00:16:45Z</date_ends></file></files>
</evidence>
```

Wisconsin Division of Criminal Investigation

Examination of Records 23-4795/26

Report Date: 06/26/2023

Primary Information

Description: Examination of VCSO Deputy Jonathon Brown Videos
Occurrence From: 06/26/2023 00:00
Occurrence To: 06/27/2023 00:00
Reporting LEO: VanSchoyck, Mary R (Eau Claire Public Integrity DCI / Wisconsin Division of Criminal Investigation)
Report Status: Approved
Report Status Date: 06/29/2023
Approved By: Vosters, Jake E (Wisconsin Division of Criminal Investigation)

Synopsis

Special Agent Mary Van Schoyck reviewed Vernon County Sheriff's Office Deputy Jonathon Brown's body worn camera and squad camera videos contained within the DCI Officer Involved Critical Incident Folder.

Subjects

<u>Relationship</u>	<u>Name</u>	<u>Bio</u>	<u>DOB</u>
Law Enforcement	Brown, Jonathon (Law Enforcement Official)		---
Deceased	Boardman, William S (Person)	61 yr. old, White, Male	██████

Narrative begins on the following page.

Wisconsin Division of Criminal Investigation Case Report

Case/Report Number: 23-4795/26 - Examination of VCSO Deputy Jonathon Brown Videos

On June 26 and 27, 2023, Special Agent (SA) Mary Van Schoyck reviewed Vernon County Sheriff's Office Deputy Jonathon Brown's body worn camera and squad camera videos which were contained within the DCI Officer Involved Critical Incident. Below is a brief synopsis of each video file.

Folder: Brown_BodyCamera_#5_1236

File: Axon Body 2 Video X81205168 2023-06-16 184131

The video was 35 minutes and 14 seconds (35:14) in length. The beginning date and time were displayed as "2023-06-16 T23:41:28Z". The video began as Deputy Brown exited his squad car and approached a Dodge truck. Deputy Brown spoke with the male occupant (later identified and herein referred to as William Boardman).

At approximately 4:00, Boardman stated he was going to leave. Deputies asked for the keys and Boardman stated they will have to take them. Deputies asked Boardman if he was going to drive away and he responded "no, I'll try to drive your nose through your face because I'm sick of it." Boardman stated that was not a "threat" but was a "fucking promise." At approximately 4:55, Boardman was told he was not free to leave and asked to remove his keys from the ignition.

At approximately 5:03, Boardman started his vehicle and began to drive away while he told Deputies "shoot me." At approximately 5:12, Boardman drove the vehicle into the lane of traffic. At approximately 5:26, the yellow reflection of the centerline and a vehicle headed in the opposite direction can be seen. Deputy Brown asked Boardman to stop several times. At approximately 5:28 the reflection of a vehicle headed in the opposite direction can be seen, and a short time later Deputy Brown fired one round [REDACTED]. Deputy Boardman steered the vehicle into the ditch until it came to a stop.

At approximately 8:49, Deputies remove Boardman from the vehicle. At approximately 10:16, a first responder arrives. At approximately 16:45, Deputy Brown leaves Boardman as other's take over care.

Folder: Brown_Squad_P16_1230_#4

File: 1D03A21520230616175322001i100

The video was 1 hour, six minutes and 57 seconds (1:06:57) in length and was upside down for the duration of the video. SA Van Schoyck temporarily changed settings within the video to view it normally. The beginning date and time were displayed as "06/16/23 05:52:50 PM". Deputy Brown exited the vehicle and approached a Dodge and was joined by a second Deputy a short time later. Any conversation that occurred outside the vehicle was not audibly recorded.

At approximately 6:20, it appears Deputy Brown has one foot on the running board of the Dodge and at approximately 6:22, the Dodge began to move. Deputy Brown held onto the side and lifted his second leg onto the running board.

Wisconsin Division of Criminal Investigation Case Report

Case/Report Number: 23-4795/26 - Examination of VCSO Deputy Jonathon Brown Videos

The Dodge left the shoulder of the road and drove into the oncoming traffic lane, crossing the centerline. The vehicle returned to the normal lane of traffic and an oncoming vehicle passed. At approximately 6:45, the second squad car leaves the area of Deputy Brown's squad. The duration of the video does not appear to capture anything of interest.

Folder: Brown_Squad_P16_1230_#4

File: 1D03A21520230616175322001i200

The recording was 1 hour, six minutes and 57 seconds (1:06:57) in length. The beginning date and time were displayed as "06/16/23 05:52:51 PM". The screen remains black for the duration of the recording. The audio appears to be the same contained in file "1D03A21520230616175322001i100".

Wisconsin Division of Criminal Investigation

Examination of Records 23-4795/27

Report Date: 06/28/2023

Primary Information

Description: Receipt of Genoa-Harmony FD/EMS records
Reporting LEO: Haverley, Michael K (Eau Claire Narcotics DCI / Wisconsin Division of Criminal Investigation)
Report Status: Approved
Report Status Date: 07/06/2023
Approved By: Vosters, Jake E (Wisconsin Division of Criminal Investigation)

Synopsis

During the course of this investigation, Wisconsin Department of Justice - Division of Criminal Investigation (DCI) Special Agent Michael Haverley requested reports and records from Genoa Fire Department (FD) and Emergency Medical Services (EMS). SA Haverley made the request through Chief Michael Hanson after Sheriff Roy Torgerson of the Vernon County Sheriff's Office (VCSO) provided SA Haverley contact information for Chief Hanson. SA Haverley spoke with Chief Hanson and received records, which have been electronically attached to this report.

Subjects

<u>Relationship</u>	<u>Name</u>	<u>Bio</u>	<u>DOB</u>
Fire Service	Hanson, Michael (Person)	White, Male	---
Medical Personnel	Krause, Dylan (Person)	Unknown, Male	---

Documents

Document
Genoa Harmony Fire Department Run Sheets & EMS worksheet

Narrative begins on the following page.

Wisconsin Division of Criminal Investigation Case Report
Case/Report Number: 23-4795/27 Receipt of Genoa FD/EMS records

SYNOPSIS:

During the course of this investigation, Wisconsin Department of Justice - Division of Criminal Investigation (DCI) Special Agent Michael Haverley requested reports and records from Genoa-Harmony Fire Department (FD) and Emergency Medical Services (EMS). SA Haverley made the request through Chief Michael Hanson after Sheriff Roy Torgerson of the Vernon County Sheriff's Office (VCSO) provided SA Haverley contact information for Chief Hanson.

On June 28, 2023, SA Haverley spoke with Chief Hanson and confirmed receipt of emailed documents. Chief Hanson advised that Genoa-Harmony FD and EMS were connected and not many reports or records exist for this call response. Chief Hanson advised that he and EMT Dylan Krause were the first truck out after the officer involved critical incident (OICI). Chief Hanson stated that EMT Dylan Krause is also a dispatcher for the VCSO. Chief Hanson advised that they arrived on scene, but he did not believe life-saving measures would work [REDACTED]. Chief Hanson stated that he was aware VCSO deputies had started CPR.

SA Haverley asked Chief Hanson about the female first responder who worked on the patient with the deputies. Chief Hanson advised that he would have that first responder contact SA Haverley.

SA Haverley also asked Chief Hanson about the FD/EMS roster on their run sheets because the last name of Boardman was observed. Chief Hanson stated that they do have a member with the last name of Boardman, however that member did not respond and Chief Hanson did not have any information regarding potential relation to the subject.

SA Haverley viewed the attachments sent by Chief Hanson. SA Haverley observed three of the four attachments were FD run sheets listing basic information and which members had responded. The fourth attachment was a Gundersen medical direction pre-hospital EMS worksheet.

ATTACHMENTS:

The documents received from Genoa-Harmony FD/EMS have been electronically attached to this report by SA Haverley.

Wisconsin Division of Criminal Investigation

Investigative 23-4795/28

Report Date: 06/28/2023

Primary Information

Description:	Contact with First Responder/Nurse Kimberly Bakalars by telephone - 6/28/2023
Occurrence From:	06/28/2023 14:23
Occurrence To:	06/28/2023 14:23
Reporting LEO:	Haverley, Michael K (Eau Claire Narcotics DCI / Wisconsin Division of Criminal Investigation)
Report Status:	Approved
Report Status Date:	06/30/2023
Approved By:	Vosters, Jake E (Wisconsin Division of Criminal Investigation)

Synopsis

On June 28, 2023, Wisconsin Department of Justice - Division of Criminal Investigation (DCI) Special Agent (SA) Michael Haverley received a phone call from first responder Kimberly Bakalars who is also a nurse at Gundersen Hospital.

Subjects

<u>Relationship</u>	<u>Name</u>	<u>Bio</u>	<u>DOB</u>
Medical Personnel	Bakalars, Kimberly (Person)	White, Female	---

Narrative begins on the following page.

Wisconsin Division of Criminal Investigation Case Report

Case/Report Number: Contact with First Responder/Nurse Kimberly Bakalars

On June 28, 2023, Wisconsin Department of Justice - Division of Criminal Investigation (DCI) Special Agent (SA) Michael Haverley received a phone call from Kimberly Bakalars. Kimberly received the request to call SA Haverley from Genoa Fire Chief Michael Hanson. Kimberly has an active EMS license as she was a first responder for Westby EMS. Kimberly is also a nurse at Gundersen Hospital in the Pediatrics ICU.

Kimberly stated that she was traveling on Highway 35 on Friday, June 16, 2023. Kimberly observed what she thought was a traffic stop so she slowed down and passed two squad vehicles at which point she observed a male subject on the ground so she stopped to assist the deputies. Kimberly stated that the male subject was on his side [REDACTED]. Kimberly put on medical gloves and observed [REDACTED], but she did not know what happened at that time, which concerned her. Kimberly was aware that the deputies had body worn cameras and she stated that she was unaware if they had audio capabilities. Kimberly stated that they attempted [REDACTED]. Kimberly stated that the second deputy approached and she had that deputy dump out her medical bag. Kimberly stated that they continued life-saving measures until the ambulance arrived. Kimberly recalled [REDACTED] and stated that she did not observe or hear anything that would assist with this investigation.

Wisconsin Division of Criminal Investigation

Investigative 23-4795/29

Report Date: 06/28/2023

Primary Information

Description:	Contact with VCSO Dispatcher/Genoa EMT Dylan Krause by phone - 6/28/2023
Occurrence From:	06/28/2023 15:14
Occurrence To:	06/28/2023 15:14
Reporting LEO:	Haverley, Michael K (Eau Claire Narcotics DCI / Wisconsin Division of Criminal Investigation)
Report Status:	Approved
Report Status Date:	06/30/2023
Approved By:	Vosters, Jake E (Wisconsin Division of Criminal Investigation)

Synopsis

Wisconsin Department of Justice - Division of Criminal Investigation (DCI) Special Agent (SA) Michael Haverley briefly spoke with Dylan Krause on June 28, 2023. Dylan Krause is a Genoa first responder and a dispatcher for the Vernon County Sheriff's Office.

Subjects

<u>Relationship</u>	<u>Name</u>	<u>Bio</u>	<u>DOB</u>
Medical Personnel	Krause, Dylan (Person)	Unknown, Male	---

Narrative begins on the following page.

Wisconsin Division of Criminal Investigation Case Report

Case/Report Number: 23-4795 Contact with VCSO Dispatcher/Genoa EMT Dylan Krause

Wisconsin Department of Justice - Division of Criminal Investigation (DCI) Special Agent (SA) Michael Haverley briefly spoke with Dylan Krause on June 28, 2023. Dylan Krause is a Genoa first responder and a dispatcher for the Vernon County Sheriff's Office (VCSO). VCSO Sheriff Roy Torgerson provided Dylan's phone number to SA Haverley. Dylan spoke with SA Haverley and advised that when he arrived at the officer involved critical incident (OICI) scene with Chief Michael Hanson on June 16, 2023, he observed Deputy Jonathon Brown [REDACTED] and a female first responder was also on-scene. Dylan advised that [REDACTED]. Dylan advised that Deputies and first responders continued with lifesaving measures until paramedics arrived as they continue with lifesaving measures until paramedics or other medical professionals can terminate those measures. Dylan did not observe or hear anything else that would assist in this investigation.

Wisconsin Division of Criminal Investigation

Investigative 23-4795/30

Report Date: 06/28/2023

Primary Information

Description: Surveillance video from Genoa Highway Garage - 06/22/2023
Occurrence From: 06/22/2023 00:00
Occurrence To: 06/22/2023 00:00
Reporting LEO: Beardsley, Wade A (ICAC & Computer Crimes DCI / Wisconsin Division of Criminal Investigation)
Backup LEO: Haverley, Michael K (Eau Claire Narcotics DCI / Wisconsin Division of Criminal Investigation)
Report Status: Approved
Report Status Date: 06/30/2023
Approved By: Vosters, Jake E (Wisconsin Division of Criminal Investigation)

Synopsis

On Thursday, June 22, 2023, Wisconsin Department of Justice, Division of Criminal Investigation (DCI) Special Agent Mike Haverley received two flash drives from Vernon County Highway Department Build Supervisor Phil Hewitt.

Addresses

Relationship	Address
Evidence Located	E428 Gianoli Rd, Genoa, Wisconsin 54632 United States of America

Subjects

Relationship	Name	Bio	DOB
Mentioned	Hewitt, Phil (Person)	White, Male	---

Property

Status	Quantity	Description
Inventory	2	Flash drives (2) containing surveillance video

Narrative begins on the following page.

Wisconsin Division of Criminal Investigation Case Report**Case/Report Number: 23-4795/30 Surveillance video from Genoa Highway Garage - 06/22/2023**

On Thursday, June 22, 2023, Wisconsin Department of Justice, Division of Criminal Investigation (DCI) Special Agent Mike Haverley received two flash drives from Vernon County Highway Department Building Supervisor Phil Hewitt. The flash drives contained surveillance video from two cameras mounted on the Genoa Highway Garage, located at E428 Gianoli Rd, Genoa, Vernon County, Wisconsin 54632.

After taking possession of the flash drives, SA Haverley transported them to the Eau Claire DCI Field Office where he provided them to DCI SA Wade Beardsley for review and submission into evidence. SA Beardsley uploaded the contents of both flash drives to the Critical Incident folder under this case / report number. SA Beardsley next logged the flash drives into evidence at the Eau Claire DCI Field Office.

VIDEO REVIEW

NVR Channel 1 camera: This camera faces south on Highway 35. The video does not have audio. The traffic stop appears on camera at 6:40:50 P.M. according to the time-stamp on the video, or 14 minutes and 5 seconds, into the video. At approximately 6:46:35 P.M., or 19 minutes, 43 seconds into the video, the pick-up truck appears to leave the scene of the traffic stop, driving north-bound on Highway 35, towards the Genoa Highway Garage. At one point while traveling north-bound, the pick-up truck appears to be operating in the south-bound lane as a van approaches from the opposite direction in the same lane. The van appears to drive onto the shoulder of its lane in order to avoid the pick-up truck as it veers back into it's correct lane of traffic. The pick-up truck passes a total of three vehicles as it continues north-bound on Channel 1. As the pick-up truck comes closer into view, Vernon County Sheriff's Office Deputy Jonathon Brown can be observed standing on the running board of the pick-up truck. 20 minutes, 0 seconds, into the video, glass appears to break out of the front passenger window of the pick-up truck as it continues north-bound. This is likely the result of the round fired by Deputy Brown. 20 minutes and two seconds into the video, the pick-up truck goes out of frame.

NVR Channel 2 camera: This camera faces north on Highway 35. The video does not have audio. The pick-up truck appears in frame at 6:46:53 P.M. or two hours, eighteen minutes, fifty seconds into the video. Deputy Brown is visible from his head to his shoulders, standing on the running-boards of the pick-up truck as it continues north on Highway 35. The pick-truck passes a total of nine vehicles, including the above described van. The pick-up truck begins to slow and pull off to the right shoulder of the road. At 6:47:03 P.M. or two hours, nineteen minutes, a marked Vernon County Sheriff's Office patrol SUV appears with its sirens activated, attempting to catch up to the pick-up truck. The pick-up truck and patrol SUV both disappear out of frame at 6:47:09 P.M.

This concludes the review of the above two cameras.

Wisconsin Division of Criminal Investigation

Examination of Records 23-4795/31

Report Date: 06/29/2023

Primary Information

Description: VCSO Property Receipt regarding release of keys
Occurrence From: 06/22/2023 00:00
Occurrence To: 06/29/2023 00:00
Reporting LEO: Haverley, Michael K (Eau Claire Narcotics DCI / Wisconsin Division of Criminal Investigation)
Backup LEO: Frederick, Adam L (Eau Claire Special Assignments DCI / Wisconsin Division of Criminal Investigation)
Report Status: Approved
Report Status Date: 06/29/2023
Approved By: Vosters, Jake E (Wisconsin Division of Criminal Investigation)

Synopsis

On June 29, 2023, Wisconsin Department of Justice - Division of Criminal Investigation (DCI) Special Agent (SA) Michael Haverley received an email from Vernon County Sheriff's Office (VCSO) Captain Michael Davig. Attached to the email was a property receipt as William Boardman's daughter, [REDACTED], picked up keys from the VCSO. SA Haverley electronically attached the VCSO property receipt to this report.

Addresses

Relationship	Address
Location of Event	Vernon County Sheriff's Department, Viroqua, Wisconsin United States of America

Subjects

Relationship	Name	Bio	DOB
Law Enforcement	Davig, Michael (Law Enforcement Official)		---
Mentioned	[REDACTED] (Person)	28 yr. old, White, Female	[REDACTED]

Documents

Document
VCSO Property Receipt - keys/keychain

Narrative begins on the following page.

Wisconsin Division of Criminal Investigation Case Report

Case/Report Number: 23-4795/31 VCSO Property Receipt regarding release of keys

On June 22, 2023, Wisconsin Department of Justice - Division of Criminal Investigation (DCI) Special Agent (SA) Adam Frederick requested Vernon County Sheriff's Office (VCSO) Investigator Scott Bjerkos to place William Boardman's keys in the lobby for pick up by family. Crime Response Specialist Jackie Larsen had informed investigators that Boardman's family wanted the keys as they had not been to Boardman's residence. SA Michael Haverley received updated information from Jackie Larsen that family was unable to get the keys over the weekend. SA Haverley updated Investigator Bjerkos of that information.

On June 29, 2023, SA Haverley received an email from VCSO Captain Michael Davig. Attached to the email was a property receipt as William Boardman's daughter, [REDACTED], picked up keys from the VCSO.

ATTACHMENT:

SA Haverley electronically attached the VCSO property receipt to this report.



**SHERIFF'S OFFICE
COUNTY OF VERNON**

1320 BAD AXE COURT
VIROQUA, WISCONSIN 54665

BUSINESS: 608-637-2123
FAX: 608-638-5702
RECORDS: 608-638-5710
JAIL: 608-638-5780
JAIL FAX: 608-638-5785
EMAIL: vcso@vernoncounty.org

ROY R. TORGERSON, SHERIFF

NATHAN CAMPBELL, CHIEF DEPUTY SHERIFF

PROPERTY RECEIPT

DATE OWNER NOTIFIED: 6-23-23

REFERENCE CASE#: UESO 23-0704

OFFICER AUTHORIZING RELEASE: SPECIAL AGENT ADAM FREDRIK, D.O.S.

PROPERTY DESCRIPTION

ITEM NO.	AMOUNT	BRAND	SER/MOD#	DESCRIPTION
1	6	6 KEY AND KEY CHAIN.		

RECEIVED BY [REDACTED] / [REDACTED]
(SIGNATURE) (PRINTED NAME)

ADDRESS/PHONE [REDACTED]

WITNESSED: Lillian [Signature] DATE: 06/27/2023

Wisconsin Division of Criminal Investigation

Examination of Records 23-4795/32

Report Date: 07/06/2023

Primary Information

Description: Receipt of William S. Boardman Toxicology Report
Reporting LEO: Haverley, Michael K (Eau Claire Narcotics DCI / Wisconsin Division of Criminal Investigation)
Report Status: Approved
Report Status Date: 07/06/2023
Approved By: Vosters, Jake E (Wisconsin Division of Criminal Investigation)

Synopsis

On June 29, 2023, Vernon County Sheriff Roy Torgerson sent an email to Wisconsin Department of Justice - Division of Criminal Investigation (DCI) Special Agent (SA) Michael Haverley. Attached to the email was the Toxicology Report for William Boardman.

Subjects

<u>Relationship</u>	<u>Name</u>	<u>Bio</u>	<u>DOB</u>
Deceased	Boardman, William S (Person)	61 yr. old, White, Male	

Documents

Document
Toxicology Report

Narrative begins on the following page.

Wisconsin Division of Criminal Investigation Case Report
Case/Report Number: 23-4795/32 Receipt of Toxicology Report

On June 29, 2023, Vernon County Sheriff Roy Torgerson sent an email to Wisconsin Department of Justice - Division of Criminal Investigation (DCI) Special Agent (SA) Michael Haverley. Attached to the email was the Toxicology Report for William Boardman.

SA Haverley viewed the received document, which shows it to be an AXIS Forensic Toxicology Testing Report. The subject's name is listed on the top right of the document.

[REDACTED]

ATTACHMENT:

SA Haverley electronically attached the toxicology report to this report.

Wisconsin Division of Criminal Investigation

Examination of Records 23-4795/33

Report Date: 07/07/2023

Primary Information

Description:	Receipt of Vernon County Sheriff's Office reports, photos, phone call
Reporting LEO:	Haverley, Michael K (Eau Claire Narcotics DCI / Wisconsin Division of Criminal Investigation)
Report Status:	Approved
Report Status Date:	07/10/2023
Approved By:	Heiser, Shane T (Wisconsin Division of Criminal Investigation)

Synopsis

On July 5, 2023, Wisconsin Department of Justice - Division of Criminal Investigation (DCI) Special Agent (SA) Michael Haverley received narrative reports, photographs, and a recording from the Vernon County Sheriff's Office (VCSO). The narrative reports, photographs, and recording were sent by Lead Administrative Assistant Amy Dvorak. SA Haverley placed the documents received in the DCI Critical Incident Materials Folder under this case number.

Narrative begins on the following page.

Wisconsin Division of Criminal Investigation Case Report
Case/Report Number: 23-4795/33 Receipt of VCSO narrative reports

On July 5, 2023, Wisconsin Department of Justice - Division of Criminal Investigation (DCI) Special Agent (SA) Michael Haverley received narrative reports, photographs, and a recording from the Vernon County Sheriff's Office (VCSO). The narrative reports, photographs, and recording were sent by Lead Administrative Assistant Amy Dvorak and downloaded through iCrimeFighter links provided to SA Haverley. The files provided were an index of attached documents and five PDF documents, another index and several photographs, and a phone call into dispatch.

ATTACHMENT:

SA Haverley placed the documents, photographs, and recording received from VCSO in the DCI Critical Incident Materials Folder under this case number.



SHERIFF'S OFFICE
COUNTY OF VERNON
1320 BAD AXE COURT
VIROQUA, WISCONSIN 54665
ROY TORGERSO, SHERIFF

BUSINESS: 608-637-2123
FAX: 608-638-5702
RECORDS: 608-638-5710
JAIL: 608-638-5780
JAIL FAX: 608-638-5785
EMAIL: vcso@vernoncounty.org
NATHAN CAMPBELL, CHIEF DEPUTY SHERIFF

Property / Evidence Summary

Printed on June 25, 2023

Property / Evidence for Case VCSO-23-0704

Primary Officer: Winchel, Sam

Received for all dates
Category Any Category
Status Any Status
Collected By All Users
Other

Agency VCSO
Evidence Type All Types
Target Disp. Date for all dates
Access Tag All

Type All Property / Evidence
Location All Locations
Item #
Case Report Type All Types

Item #	Type	Status	Location	Description
VCSO-23-0704-001	Vehicle	In Custody	Impound - In	DODGE DAKOTA
VCSO-23-0704-002	Vehicle	In Custody	Impound - In	FORD EXPLORER SQUAD CAR P-3
VCSO-23-0704-003	Article	In Temporary Custody	Temporary Storage	Micro SD Card from P-16
VCSO-23-0704-004	Article	In Temporary Custody	Temporary Storage	Micro Sd Card from P-3

2035
Jed



SHERIFF'S OFFICE
COUNTY OF VERNON
1320 BAD AXE COURT
VIROQUA, WISCONSIN 54665
ROY TORGERSON, SHERIFF

BUSINESS: 608-637-2123
FAX: 608-638-5702
RECORDS: 608-638-5710
JAIL: 608-638-5780
JAIL FAX: 608-638-5785
EMAIL: vcso@vernoncounty.org

NATHAN CAMPBELL, CHIEF DEPUTY

Case VCSO 23 0704

Printed on July 5, 2023

Status	Approved
Report Type	Report
Primary Officer	Sam Winchel
Investigator	None
Records Technician	
Reported At	06/16/23 17:51
Incident Date	06/16/23 17:51
Incident Code	WELF : WELFARE CHECK
Location	S5074 STATE HIGHWAY 35, GENOA, WI 54632
Zone	Town of Genoa
Beat	WEST
Court	None
Ereferral County	None
Municipality Type	None
Summary Of Incident	
Disposition	Forward to Other Agency (Closed)
Disposition Date/Time	07/05/23 03:07
Review for Gang Activity	None

Dispatch Information

CFS #	CFS23-12398				
Location	S5074 STATE HIGHWAY 35, GENOA, WI 54632				
Incident Code	WELF : WELFARE CHECK				
Occurred Between	06/16/23 17:51:10 and				
Assigned	18:03:30	Enroute	18:15:21	On Scene	18:32:09
				Completed	03:14:02

CFS Responders

117 (Primary)	117 - Nigh, Betty	COR
DFD1 (Primary)		DFD
EG100 (Primary)	EG100 - Larson, Brandon	EMG
GFD1 (Primary)		GFD
GFR (Primary)		GFR
GUNDAIR (Primary)		GUNDAIR
RFD1 (Primary)		RFD
SFD1 (Primary)		SFD
1	1 - Torgerson, Roy	VCSO (Primary)
2		VCSO (Primary)
3	3 - Davig, Michael	VCSO (Primary)
4	4 - Bjerkos, Scott	VCSO (Primary)
8	8 - Egge, JoEllen	VCSO (Primary)
14	14 - Winchel, Sam	VCSO (Primary)
19	19 - Krzewinski, Donald	VCSO (Primary)
20 (Primary)	20 - Brueggeman, Bradley	VCSO (Primary)
23	23 - Brown, Jonathon	VCSO (Primary)
62	62 - Howell, Larry	VCSO (Primary)
WDFD1 (Primary)		WDFD
WDFR (Primary)		WDFR
SPTO (Primary)		WSP

Unspecified

BOARDMAN, WILLIAM STEVEN

Male, DOB [REDACTED]

S5074 STATE HIGHWAY 35
GENOA, WI 54632

(608) [REDACTED] Home
(608) [REDACTED] Cell

DESOTO FIRE DEPARTMENT

57 CRAWFORD ST
DESOTO, WI 54624

(608) 648-3331 Home
desotofire@mwt.net Personal

GENOA FIRE DEPARTMENT

126 MAIN ST
GENOA, WI 54632

(608) 689-2151 Home
(608) 689-2561 Home
ghfd@mwt.net Personal

GENOA FIRST RESPONDERS

126 MAIN ST
GENOA, WI 54632

(608) 689-2151 Home
ghfd@mwt.net Personal

GUNDERSEN AIR

Unknown

1910 SOUTH AVE
LACROSSE, WI 54601

(800) 527-1200 Home

READSTOWN AMBULANCE

107 N RAILROAD ST
READSTOWN, WI 54652

(608) 629-5100 Home

[REDACTED]
Female, DOB [REDACTED]

[REDACTED]
GENOA, WI 54632

(608) [REDACTED] Home
(608) [REDACTED] Home
(605) [REDACTED] Home
(608) [REDACTED] Cell

STODDARD FIRE DEPARTMENT

188 N MAIN ST
STODDARD, WI 54658

(608) 457-2118 Home
sbfd@mwt.net Personal

TRI-STATE AMBULANCE

235 COPELAND AVE
LACROSSE, WI 54601

(608) 606-1901 Cell
(608) 775-5407 Home
(608) 784-4996 Home
(608) 637-8639 Home

VERNON COUNTY CORONER

318 FAIRLANE DR
VIROQUA, WI 54665
(608) 637-5284 Home

VERNON COUNTY EMERGENCY MANAGEMENT

VIROQUA, WI 54665
(608) 637-5267 Home

VERNON COUNTY HIGHWAY DEPARTMENT

1335 RAILROAD AVE
VIROQUA, WI 54665
(608) 637-5452 Home

WHEATLAND FIRE DEPARTMENT

E2177 STATE HIGHWAY 82
DE SOTO, WI 54624
(608) 648-2600 Home
wheatland.fd@gmail.com Personal

WHEATLAND FIRST RESPONDERS

E2177 STATE HIGHWAY 82
DESOTO, WI 54624
(608) 648-2600 Home
wheatlandemsvc@gmail.com Personal

WI DEPT OF JUSTICE (DCI)

Unknown
PO BOX 7857
MADISON, WI 53707
(608) 266-1221 Home

WISCONSIN STATE PATROL

23928 LESTER MCMULLIN DR
TOMAH, WI 54660
(608) 374-0513 Home

Vehicles

F1241 WI

2021 Black Ford Explorer
Owner VERNON COUNTY SHERIFF`S OFFICE

SJ2723 WI - (Other)

2001 Black Dodge Dakota

Assisting Officer Narrative By Donald Krzewinski, 06/16/23 09:15

This report is in reference to an Assisting Officer Report for case VCSO-23-0704.

On June 16, 2023, I was contacted by Captain Michael Davig of the Vernon County Sheriff's Office. Captain Davig informed me that there was a critical incident near Genoa, WI. I was off duty and was asked if I would be available to assist with the critical incident.

I responded to the scene of the critical incident located south of Genoa on State Highway 56 near Gianoli Road. I met with Captain Davig and Sheriff Roy Torgerson when I arrived on scene. I was advised to take a position south of the incident on State Highway 56 and close all traffic traveling north.

I remained at the traffic assignment throughout the events of the evening. The only parties allowed to pass my location were members of the WI DOJ DCI unit and Wisconsin State Patrol. Deputy Sheriff Jonathon Brown's patrol vehicle was located south of my location. The last event of the evening was when Deputy Brown's vehicle was recovered by the tow company for transport.

I was officially released from my post by Sheriff Torgerson and the scene was cleared.

This is all the information I have at this time.

End of report.

Deputy Sheriff Donald Krzewinski Jr.
Vernon County Sheriff's Office

Assisting Officer Narrative By Larry Howell, 06/16/23 16:19

I, Deputy Sheriff Lawrence Howell, was dispatched by Captain Michael Davig of the Vernon County Sheriff's Office to a critical incident of an officer involved shooting on June 16, 2023. I was to get there as quick as possible, as my assignment was to direct traffic at the intersection of State Highway 56 and State Highway 35 (just north of the incident location.) My directive was to only allow traffic through that was authorized by Vernon County Sheriff Roy Torgerson.

End of Report

Deputy Sheriff Lawrence J Howell #62
Vernon County Sheriff's Office



**SHERIFF'S OFFICE
COUNTY OF VERNON**
1320 BAD AXE COURT
VIROQUA, WISCONSIN 54665
ROY TORGERSON, SHERIFF

BUSINESS: 608-637-2123
FAX: 608-638-5702
RECORDS: 608-638-5710
JAIL: 608-638-5780
JAIL FAX: 608-638-5785
EMAIL: vcso@vernoncounty.org

NATHAN CAMPBELL, CHIEF DEPUTY

Case Narrative for VCSO 23 0704 (06/17/23
01:29)

Printed on June 22, 2023

Assisting Officer Report By Sam Winchel, 06/17/23 01:29

Case #VCSO-23-0704

Typed By Sam Winchel

This supplemental report concerns follow up from an officer involved death.

On June 17th, 2023 at approximately 1:29 AM, I cleared the scene and escorted two tow trucks to the Vernon County Inside Impound in Viroqua. Both tow trucks were from C&C Towing.

We arrived at 2:01 AM. Both vehicles were unloaded inside. The squad car was driven inside and parked. The vehicle with Wisconsin license plate of SJ2723 was unloaded inside. The vehicle was not operated or searched, and no contact was made with the interior.

I later received permission from DCI Agent Adam Fredrick, to retrieve Deputy Sheriff Bradley Brueggeman's gym key fob from his squad car. I did this at approximately 2:40 AM.

---End of Report---

Sergeant Sam Winchel
Vernon County Sheriff's Office

Signed

Sam Winchel, Officer

Date 06/22/23



SHERIFF'S OFFICE
COUNTY OF VERNON
1320 BAD AXE COURT
VIROQUA, WISCONSIN 54665
ROY TORGERSON, SHERIFF

BUSINESS: 608-637-2123
FAX: 608-638-5702
RECORDS: 608-638-5710
JAIL: 608-638-5780
JAIL FAX: 608-638-5785
EMAIL: vcso@vernoncounty.org

NATHAN CAMPBELL, CHIEF DEPUTY

Case Narrative for VCSO 23 0704 (06/16/23
18:50)

Printed on June 26, 2023

Assisting Officer Report By Michael Davig, 06/16/23 18:50

Case #VCSO-23-0704

Typed By Vicky Inman

This report is in regards to a welfare check/death investigation.

On June 16, 2023, at approximately 6:50 PM, I received a phone call from Sgt. Sam J. Winchel with the Vernon County Sheriff's Office informing me there was incident involving a deputy who discharged his firearm. He did not know a lot of the details other than the incident occurred on State Highway 35, near the power plant. He was requesting I go to the scene.

At approximately 6:53 PM, I went en route to the scene.

At approximately 7:05 PM, I arrived on location.

Upon my arrival, the Genoa First Responders were on location. Deputy Sheriff Jonathon R. Brown and Deputy Sheriff Bradley J. Brueggeman were on location.

I approached Deputy Brown and Deputy Brueggeman and spoke with them briefly. I was told there was an incident where Deputy Brown discharged his firearm. There was a male being cared for by emergency medical personnel. I asked them if they were okay, and they said yes. They provided me with a brief synopsis of what occurred.

I was told Deputy Brown was standing on the running board of the pickup truck. The truck driver drove off with Deputy Brown standing on the running board. He refused to stop the pickup. Deputy Brown discharged his firearm after multiple commands to stop the vehicle.

I assisted in securing the scene. I told Deputy Brown and Deputy Brueggeman to stay back by their squad cars. I helped with making sure the needed support was on location.

Sgt. Winchel arrived on location. Sgt. Winchel assisted in securing the scene. Sgt. Winchel secured Deputy Brown's firearm and body camera. Sgt. Winchel secured Deputy Brueggeman's body camera.

Investigator Scott D. Bjerkos arrived on location. Investigator Bjerkos transported Deputy Brown to the Vernon County Sheriff's Office.

Shortly after Deputy Brown left the scene, I transported Deputy Brueggeman to the Vernon County Sheriff's Office.

Deputy Brown and Deputy Brueggeman were kept separated. Their union representatives were called. Prior to this, the Wisconsin Department of Justice, Department of Criminal Investigation (DCI) was contacted. The DCI was instructing the sheriff's office on how to handle the situation.

I stayed at the sheriff's office until Deputy Brown and Deputy Brueggeman were done meeting with DCI agents. After they were done meeting, I transported Deputy Brown to his residence. DCI instructed me to collect Deputy Brown's pants, which I collected. I placed Deputy Brown's pants in a brown paper bag and returned to the sheriff's office. When I arrived at the sheriff's office, I turned the brown paper bag over to DCI agents.

I assisted DCI agents with anything else they needed while we were at the sheriff's office.

On June 17, 2023, at approximately 3:00 AM, I cleared from the call.

On June 23, 2023, at approximately 7:00 AM, Sheriff Roy R. Torgerson informed me DCI left the micro SD cards from both squad car cameras in his secured box at the sheriff's office. I secured the SD cards from the squad cars and the body cameras in my possession until June 25, 2023 at which time I uploaded all footage into our record system. I provided the metadata from the body cameras to Sheriff Torgerson. Sheriff Torgerson was going to forward the metadata to DCI. I placed both of the SD cards from the squad cars into evidence bags and secured them in an evidence locker at the sheriff's office.

--End of Report--

Captain Michael G. Davig
Vernon County Sheriff's Office



Signed

Michael Davig, Captain

Date 06/26/23



**SHERIFF'S OFFICE
COUNTY OF VERNON**
1320 BAD AXE COURT
VIROQUA, WISCONSIN 54665

ROY TORGERSON, SHERIFF

BUSINESS: 608-637-2123
FAX: 608-638-5702
RECORDS: 608-638-5710
JAIL: 608-638-5780
JAIL FAX: 608-638-5785
EMAIL: vcso@vernoncounty.org

NATHAN CAMPBELL, CHIEF DEPUTY

CFS - Command Log

Printed on June 19, 2023

CFS # CFS23-12398
Call Taker Lillian Clements
Location S5074 STATE HIGHWAY 35, GENOA, WI 54632
Location Details
Primary Incident Code WELF : WELFARE CHECK
Additional Incident Code(s) DI : DEATH INVESTIGATION
CHASE : PURSUIT
Mod In Progress
Priority 1
Use Caution No
Primary Disposition Report Needed
Beat WEST
Zone Town of Genoa
Call Time 06/16/23 17:51:10
Completed Time 06/17/23 03:14:02

Reporters

(Initial Reporter)

Sex Female
DOB [REDACTED]
Address S5074 STATE HWY 35
GENOA, WI 54632
Home Phone (608) [REDACTED]
Home Phone (608) [REDACTED]
Home Phone (605) [REDACTED]
Cell Phone (608) [REDACTED]
Report Time 06/16/23 17:51:10
How Reported Phone
From Phone (651) [REDACTED]
Contact Phone
Comments

Other Names

BOARDMAN, WILLIAM STEVEN (Patient)

Sex Male
DOB [REDACTED]
Address S5074 STATE HIGHWAY 35
GENOA, WI 54632
Home Phone (608) [REDACTED]
Cell Phone (608) [REDACTED]
Comments

DESOTO FIRE DEPARTMENT (Other)

Sex
DOB
Address 57 CRAWFORD ST
DESOTO, WI 54624
Home Phone (608) 648-3331
Comments

GENOA FIRE DEPARTMENT (Other)

Sex**DOB****Address** 126 MAIN ST
GENOA, WI 54632**Home Phone** (608) 689-2151**Home Phone** (608) 689-2561**Comments****GENOA FIRST RESPONDERS (Other)**

Sex**DOB****Address** 126 MAIN ST
GENOA, WI 54632**Home Phone** (608) 689-2151**Comments****GUNDERSEN AIR (Other)**

Sex Unknown**DOB****Address** 1910 SOUTH AVE
LACROSSE, WI 54601**Home Phone** (800) 527-1200**Comments****READSTOWN AMBULANCE (Other)**

Sex**DOB****Address** 107 N RAILROAD ST
READSTOWN, WI 54652**Home Phone** (608) 629-5100**Comments****STODDARD FIRE DEPARTMENT (Other)**

Sex**DOB****Address** 188 N MAIN ST
STODDARD, WI 54658**Home Phone** (608) 457-2118**Comments****TRI-STATE AMBULANCE (Other)**

Sex**DOB****Address** 235 COPELAND AVE
LACROSSE, WI 54601**Cell Phone** (608) 606-1901**Home Phone** (608) 775-5407**Home Phone** (608) 784-4996**Home Phone** (608) 637-8639**Comments****VERNON COUNTY CORONER (Other)**

Sex**DOB****Address** 318 FAIRLANE DR
VIROQUA, WI 54665**Home Phone** (608) 637-5284**Comments****VERNON COUNTY EMERGENCY MANAGEMENT (Other)**

Sex**DOB**

Address

VIROQUA, WI 54665

Home Phone (608) 637-5267**Comments****VERNON COUNTY HIGHWAY DEPARTMENT (Other)****Sex****DOB****Address** 1335 RAILROAD AVE

VIROQUA, WI 54665

Home Phone (608) 637-5452**Comments****WHEATLAND FIRE DEPARTMENT (Other)****Sex****DOB****Address** E2177 STATE HIGHWAY 82

DE SOTO, WI 54624

Home Phone (608) 648-2600**Comments****WHEATLAND FIRST RESPONDERS (Other)****Sex****DOB****Address** E2177 STATE HIGHWAY 82

DESOTO, WI 54624

Home Phone (608) 648-2600**Comments****WI DEPT OF JUSTICE (DCI) (Other)****Sex**

Unknown

DOB**Address** PO BOX 7857

MADISON, WI 53707

Home Phone (608) 266-1221**Comments****WISCONSIN STATE PATROL (Other)****Sex****DOB****Address** 23928 LESTER MCMULLIN DR

TOMAH, WI 54660

Home Phone (608) 374-0513**Comments****Vehicles****SJ2723 WI (Other)****Description** 2001 Black Dodge Dakota**Owner** BOARDMAN, WILLIAM STEVEN**Responders**

117 (Primary)	117 - Nigh, Betty	COR
DFD1 (Primary)		DFD
EG100 (Primary)	EG100 - Larson, Brandon	EMG
GFD1 (Primary)		GFD
GFR (Primary)		GFR
GUNDAIR (Primary)		GUNDAIR
RFD1 (Primary)		RFD
SFD1 (Primary)		SFD

1	1 - Torgerson, Roy	VCSO (Primary)
2		VCSO (Primary)
3	3 - Davig, Michael	VCSO (Primary)
4	4 - Bjerkos, Scott	VCSO (Primary)
8	8 - Egge, JoEllen	VCSO (Primary)
14	14 - Winchel, Sam	VCSO (Primary)
19	19 - Krzewinski, Donald	VCSO (Primary)
20 (Primary)	20 - Brueggeman, Bradley	VCSO (Primary)
23	23 - Brown, Jonathon	VCSO (Primary)
62	62 - Howell, Larry	VCSO (Primary)
WDFD1 (Primary)		WDFD
WDFR (Primary)		WDFR
SPTO (Primary)		WSP

Response Times

Assigned 06/16/23 18:03:30
Enroute 06/16/23 18:15:21
Arrived 06/16/23 18:32:09
Leaving 06/16/23 18:42:21
Arrived At 06/16/23 18:42:42
Completed 06/17/23 03:14:02

IR / External Agency Numbers

VCSO-23-0704 PO: 14 - Winchel, Sam

Command Log Filter: All Commands | Details: Hidden | Units: All Units | Revised Entries: Shown

06/16/23 17:51:10 | Clements, Lillian | New CFS
 06/16/23 17:55:29 | Clements, Lillian | DAUGHTER THINKS THAT HE NEEDS HELP, BUT HE WOULDN'T GO WILLINGLY, SHE IS ON HER WAY UP NOW
 06/16/23 17:57:06 | Clements, Lillian | [REDACTED] IS AFRAID HE IS GOING TO HURT HIMSELF
 06/16/23 17:57:38 | Clements, Lillian | MALE DOES HAVE BOND CONDITIONS THROUGH US CURRENTLY
 06/16/23 18:03:30 | JaDoul, Alexis | 20 | Dispatched
 06/16/23 18:15:21 | JaDoul, Alexis | 20 | Enroute
 06/16/23 18:32:09 | Brueggeman, Bradley | 20 | On Scene
 06/16/23 18:37:26 | JaDoul, Alexis | 20 | Check Status (Time (minutes): 15)
 06/16/23 18:40:25 | JaDoul, Alexis | 20 | Message - SJ2723 - HE JUST TOOK OFF IN HIS VEHICLE
 06/16/23 18:42:06 | JaDoul, Alexis | 20 | Message - (D) DO YOU COPY?
 06/16/23 18:42:21 | JaDoul, Alexis | 20 | Location Change (Location: GIANOLI RD) - HEADING THERE NOW
 06/16/23 18:42:42 | JaDoul, Alexis | 20 | Arrived At (Location: GIANOLI RD)
 06/16/23 18:42:59 | JaDoul, Alexis | 23 | Dispatched
 06/16/23 18:43:50 | JaDoul, Alexis | 23 | Location Change (Location: GIANOLI RD) - DELAYED - TRYING TO GET VEHICLE STOPPED LIGHTS AND SIRENS
 06/16/23 18:43:55 | JaDoul, Alexis | 23 | Arrived At (Location: GIANOLI RD) - GOT IT STOPPED
 06/16/23 18:47:28 | JaDoul, Alexis | 20 | Message - 1080 23 HANGING OUTSIDE OF VEHICLE
 06/16/23 18:48:16 | JaDoul, Alexis | 23 | Message - 1050 ONE GUN SHOT [REDACTED]
 06/16/23 18:48:34 | JaDoul, Alexis | 14 | Enroute
 06/16/23 18:49:55 | JaDoul, Alexis | GFD1, GFR | Dispatched
 06/16/23 18:50:14 | JaDoul, Alexis | 23 | Message - CPR IN PROGRESS
 06/16/23 18:50:53 | JaDoul, Alexis | GFD1, GFR | Message - SECOND PAGE
 06/16/23 18:51:39 | JaDoul, Alexis | 23 | Message - [REDACTED]
 06/16/23 18:51:43 | JaDoul, Alexis | 23 | Message - EMT ON SC3ENE
 06/16/23 18:52:32 | JaDoul, Alexis | GFD1, GFR | Enroute
 06/16/23 18:52:42 | JaDoul, Alexis | RFD1 | Enroute - HEADING DIRECT SELF
 06/16/23 18:53:00 | JaDoul, Alexis | GFR | Message - ENROUTE WITH 2
 06/16/23 18:53:05 | JaDoul, Alexis | 2 | Enroute
 06/16/23 18:53:09 | JaDoul, Alexis | 2 | Available
 06/16/23 18:53:11 | JaDoul, Alexis | 3 | Enroute

06/16/23 18:54:30 | McGregor, Lindsey | ATTEMPTED 1 AND 5 VIA PHONE
 06/16/23 18:54:38 | JaDoul, Alexis | GFD1, GFR | On Scene
 06/16/23 18:57:04 | JaDoul, Alexis | SPTO | Enroute
 06/16/23 18:57:17 | McGregor, Lindsey | 1 | Dispatched
 06/16/23 18:57:40 | JaDoul, Alexis | STATE PATROL CALLED THEY ARE SEND 2 UNITS
 06/16/23 19:00:02 | JaDoul, Alexis | GFD1 | Clear Alarms
 06/16/23 19:01:08 | JaDoul, Alexis | GUNDERSEN AIR CALLED AND ADVISED THEY HAVE BEEN DISPATCHED
 BY THEIR UNIT, NEED FIRE TO START A LANDING ZONE AT HELP SITE
 06/16/23 19:02:38 | JaDoul, Alexis | 20 | Clear Alarms
 06/16/23 19:04:48 | JaDoul, Alexis | GUNDERSEN AIR 18 MINUTES OUT
 06/16/23 19:04:51 | JaDoul, Alexis | 4 | Enroute
 06/16/23 19:05:04 | JaDoul, Alexis | 3 | On Scene
 06/16/23 19:06:18 | JaDoul, Alexis | GFD1, GFR | Message - (D) GUNDERSEN AIR 18 MIN - 18
 06/16/23 19:06:22 | JaDoul, Alexis | GUNDAIR | Dispatched
 06/16/23 19:08:23 | McGregor, Lindsey | TSA AIR WAS NOTIFIED OF HELP LANDING ZONE, GENOA PARK
 06/16/23 19:08:28 | JaDoul, Alexis | GFD1 | Message - CAN YOU SEND A THIRD PAGE TO BALL PARK FOR
 LANDING ZONE
 06/16/23 19:09:29 | JaDoul, Alexis | GFD1 | Message - THIRD PAGE
 06/16/23 19:10:16 | JaDoul, Alexis | 3 | Clear Alarms
 06/16/23 19:12:40 | JaDoul, Alexis | GFD1 | Message - LANDING ZONE SECURED
 06/16/23 19:16:30 | JaDoul, Alexis | GFD1 | Message - 10-79 CANCEL AIRT LINK
 06/16/23 19:17:46 | McGregor, Lindsey | CHRIS WITH DESOTO FIRE WILL SHUT DOWN 35 AT DESOTO
 06/16/23 19:17:51 | JaDoul, Alexis | CALLED STODDARD CHIEF, SEND OUT PAGE TO STATION
 06/16/23 19:18:33 | JaDoul, Alexis | SFD1 | Dispatched - FIRST PAGE FOR TRAFFIC CONTROL
 06/16/23 19:19:49 | JaDoul, Alexis | 117 | Dispatched
 06/16/23 19:31:48 | JaDoul, Alexis | 4 | On Scene
 06/16/23 19:32:08 | JaDoul, Alexis | SPTO | On Scene
 06/16/23 19:35:55 | JaDoul, Alexis | WDFD1 | Dispatched
 06/16/23 19:36:54 | JaDoul, Alexis | 4 | Clear Alarms
 06/16/23 19:37:45 | JaDoul, Alexis | SPTO | Clear Alarms
 06/16/23 19:40:07 | McGregor, Lindsey | PER SHERIFF TORGERSO, REQUEST TO CALL STATE PATROL AND
 ADVISE THEM THAT DCI WILL LEAD THE INVESTIGATION AND THAT WE WOULD STILL REQUEST THE TRU
 UNIT TO RESPOND. NOTIFIED STPO DISPATCH AND THEY WILL GET SOMEONE HEADED THIS WAY, AND
 CALL AND LET US KNOW WHEN SOMEONE IS ENR
 06/16/23 19:40:56 | JaDoul, Alexis | SFD1 | Location Change (Location: STATE HIGHWAY 35/STATE HIGHWAY 162)
 06/16/23 19:41:04 | JaDoul, Alexis | SFD1 | Arrived At (Location: STATE HIGHWAY 35/STATE HIGHWAY 162)
 06/16/23 19:41:25 | JaDoul, Alexis | DFD1 | Dispatched
 06/16/23 19:42:03 | JaDoul, Alexis | DFD1, WDFD1 | Location Change (Location: STATE HIGHWAY 35/COUNTY
 ROAD UU)
 06/16/23 19:45:37 | JaDoul, Alexis | WDFR | Dispatched
 06/16/23 19:46:07 | JaDoul, Alexis | WDFR | Location Change (Location: WASHINGTON RD/STATE HIGHWAY 35)
 06/16/23 19:59:12 | Lunde, Yanicka | CALLED STOC TO UPDATE THEM. STATE HIGHWAY 56 IN GENOA WILL BE
 DETOUR FFROM THE NORTH
 06/16/23 19:59:18 | Lunde, Yanicka | EG100 | Enroute
 06/16/23 19:59:33 | Lunde, Yanicka | 117 | On Scene
 06/16/23 20:05:04 | Lunde, Yanicka | GUNDAIR | Off Duty
 06/16/23 20:10:34 | Lunde, Yanicka | 4, 23 | Location Change (Location: VCSO - Vernon Co Sheriff Office)
 06/16/23 20:13:27 | Lunde, Yanicka | LEDS - Morrison
 (08:09:23 PM)
 :

Hey! Heather from State Patrol. I know I called and asked for suspect info, but my trooper is now asking for both of the Deputies who were involved info as well please.

LEDS - Morrison
(08:10:25 PM)
:

Also, I have TRU Investigator Schultz coming out, but he's coming from out of Kronenwetter, WI so it will be about 2 hours before he gets to the scene. 533 is a TRU tech and will start the TRU process for him.

LEDS - Morrison
(08:13:40 PM)
:

If you need it for your CAD notes, our Case number is 000251-7121 Crash Doc# KRL0HNC3CT

06/16/23 20:14:17 | Lunde, Yanicka | SFD1 | Message - WE ARE STILL AT 162 DO WE STILL WANT ROAD CLOSED THERE

06/16/23 20:14:46 | Lunde, Yanicka | SFD1 | Message - (d) WE SAID HWY 56 FOR DETOUR

06/16/23 20:14:56 | Lunde, Yanicka | 62 | Enroute

06/16/23 20:15:07 | Lunde, Yanicka | SFD1 | Message - WE'RE PULLING OUR UNITS BACK

06/16/23 20:19:00 | Lunde, Yanicka | 19 | Enroute

06/16/23 20:20:41 | JaDoul, Alexis | 117 | On Scene - 1946 arrival

06/16/23 20:26:02 | Lunde, Yanicka | GFD1 | Message - RESCUE TRUCK GOING TBACK TO STATION 3 TRUCKS ON SCENE YET

06/16/23 20:26:39 | JaDoul, Alexis | DAVID SOLEY FROM WXOW 507-895-9960 LOOKING FOR UPDATE

06/16/23 20:26:57 | Lunde, Yanicka | SFD1 | Available

06/16/23 20:27:57 | JaDoul, Alexis | LEAH FROM WKVC 224-563-8216 ADVISED THEY ARE ALMOST ON SCENE

06/16/23 20:29:06 | Lunde, Yanicka | EG100 | On Scene

06/16/23 20:32:21 | McGregor, Lindsey | [REDACTED] HAS BEEN NOTIFIED FOR DEPUTY BROWN. SHE HAS CONTACTED [REDACTED] IS ENR TO BE WITH BROWN

06/16/23 20:33:30 | Lunde, Yanicka | 62 | On Scene

06/16/23 20:33:42 | Lunde, Yanicka | 62 | Location Change (Location: STATE HIGHWAY 35/STATE HIGHWAY 56)

06/16/23 20:33:47 | Lunde, Yanicka | 62 | Arrived At (Location: STATE HIGHWAY 35/STATE HIGHWAY 56)

06/16/23 20:36:36 | Lunde, Yanicka | 19 | Location Change (Location: STATE HIGHWAY 35/GIANOLI RD)

06/16/23 20:36:40 | Lunde, Yanicka | 19 | Arrived At (Location: STATE HIGHWAY 35/GIANOLI RD)

06/16/23 20:38:11 | Lunde, Yanicka | GFD1 | Message - NEWS IS AT THE NORTH END WANTING TO TALK TO THE SHERIFF

06/16/23 20:39:03 | McGregor, Lindsey | 62 | Clear Alarms

06/16/23 20:39:05 | Lunde, Yanicka | 1 | Message - IF WE GET ANYTHING EAST CALL JUNEAU ON THE PHONE WITH THEIR SHERIFF NOW

06/16/23 20:39:16 | Lunde, Yanicka | 1 | Message - (d) PRESS ON THE NORTH END WANTING TO TALK TO YOU

06/16/23 20:39:25 | Lunde, Yanicka | 1 | Message - I'LL TRY TO TALK TO THEM IF I CAN

06/16/23 20:40:16 | Lunde, Yanicka | 4, 23 | Arrived At (Location: VCSO - Vernon Co Sheriff Office)

06/16/23 20:40:17 | Olson, Bruce | I TALKED TO PHIL HEWITT WITH THE HIGHWAY DEPT. AND HE ALREADY MADE CONTACT WITH THE TRAFFIC MANAGEMENT CENTER ABOUT THE DETOUR SET UP.

06/16/23 20:50:21 | Lunde, Yanicka | 1 | Message - LT GREEN COMING INTO VERNON CO WILL CALL YOU DIRECT

06/16/23 20:57:26 | Olson, Bruce | CALLED

06/16/23 21:13:49 | Krzewinski, Donald | 19 | On Scene

06/16/23 21:19:00 | Krzewinski, Donald | 19 | Clear Alarms

06/16/23 21:24:57 | Lunde, Yanicka | 1 | On Scene

06/16/23 21:25:01 | Lunde, Yanicka | 14 | On Scene

06/16/23 21:28:22 | Torgerson, Roy | 1 | Message - DCI arrived.

06/16/23 21:30:07 | Lunde, Yanicka | 1 | Clear Alarms

06/16/23 21:30:13 | Lunde, Yanicka | 14 | Clear Alarms

06/16/23 21:35:29 | Lunde, Yanicka | 3 | Location Change (Location: VCSO - Vernon Co Sheriff Office)

06/16/23 21:35:32 | Lunde, Yanicka | 3 | Arrived At (Location: VCSO - Vernon Co Sheriff Office)

06/16/23 21:42:18 | JaDoul, Alexis | JUNEAU COUNTY LT GREEN WILL BE RESPONDING TO CALLS ON THE EAST SIDE FOR AN HOUR PER SHERIFF TORGERSOON'S REQUEST. LT GREEN'S BADGE NUMBER

06/16/23 21:42:52 | Lunde, Yanicka | WDFD1 | Message - TRUCK WITH BOAT WENT AROUND US ON PURPOSE NORTH AT A HIGH RATE OF SPEED

06/16/23 21:44:46 | Lunde, Yanicka | 1 | Message - PUT US ALL ON POLICE ALTERNATE EVERYONE ELSE BACK ON SHERIFF

06/16/23 21:44:58 | Lunde, Yanicka | 1 | Message - WE COPY ABOUT THE BOAT & TRUCK

06/16/23 21:47:02 | JaDoul, Alexis | LT GREEN'S BADGE NUMBER IS 5. PHONE NUMBER IS 608-[REDACTED]

06/16/23 21:59:05 | Lunde, Yanicka | RFD1 | Available

06/16/23 22:09:25 | Lunde, Yanicka | 1 | Message - GENOA FIRE CAN SEND THEIR TRUCK WITH LIGHTING DOWN HERE NOW

06/16/23 22:10:02 | Lunde, Yanicka | GFD1 | Message - (d) SEND YOUR TRUCK WITH LIGHTING DOWN BY 1 NOW

06/16/23 22:10:25 | Lunde, Yanicka | PER DEPUTY CAMPBELL DCI ARRIVED AT THE SHERIFFS OFFICE

06/16/23 22:12:30 | Lunde, Yanicka | 8 | Dispatched

06/16/23 22:12:33 | Lunde, Yanicka | 8 | Location Change (Location: VCSO - Vernon Co Sheriff Office)

06/16/23 22:12:34 | Lunde, Yanicka | 8 | Arrived At (Location: VCSO - Vernon Co Sheriff Office)

06/16/23 22:38:25 | JaDoul, Alexis | ERIC WITH WI DOT CALLED LOOKING FOR AN UPDATE ON THE ROAD CLOSURE. PER CAPTAIN DAVIG, ITS GOING TO BE A FEW MORE HOURS

06/16/23 22:42:10 | JaDoul, Alexis | 117 | Available

06/16/23 22:42:39 | JaDoul, Alexis | 117 | On Scene
 06/16/23 22:48:03 | Lunde, Yanicka | 20 | Off Duty (Location: Residence)
 06/16/23 23:18:26 | Lunde, Yanicka | 4 | Off Duty (Location: Residence)
 06/16/23 23:21:17 | Lunde, Yanicka | EG100 | Location Change (Location: VIROQUA)
 06/16/23 23:47:10 | JaDoul, Alexis | PER CAPTAIN DAVIG, LT GREEN CAN BE RELEASED. MACH MESSAGE SENT TO LT GREEN
 06/16/23 23:50:29 | McGregor, Lindsey | EG100 | Available - BACK IN THE CITY
 06/16/23 23:58:45 | McGregor, Lindsey | 14 | Message - 1 TOW TRUCK, GOING TO IMPOUND
 06/17/23 00:01:58 | McGregor, Lindsey | 1 | Message - C&C TOWING ENR SHORTLY FROM LACROSSE, UNK WHICH VEHICLE HE WILL BE GETTING
 06/17/23 00:04:02 | Torgerson, Roy | 1 | Message - Only tow will be for the Boardman vehicle.
 06/17/23 00:13:10 | McGregor, Lindsey | 14 | Message - VIA PHONE REQUESTED ANOTHER TOW FOR SQUAD CAR
 06/17/23 00:15:42 | JaDoul, Alexis | 3 | Location Change (Location: LAFARGE)
 06/17/23 00:18:46 | JaDoul, Alexis | 1 | Message - SLEEPY HOLLOW ENROUTE WITH THE NEXT TOW
 06/17/23 00:21:21 | JaDoul, Alexis | 1 | Message - F1241 - FOR SLEEPY HOLLOW TOW
 06/17/23 00:29:57 | JaDoul, Alexis | 1 | Message - C&C IS HERE WITH TWO... ASK SLEEPY HOLLOW IF THEY CAN STAND DOWN THIS ONE
 06/17/23 00:30:13 | JaDoul, Alexis | 1 | Message - (D) CALLED MIKE, HE WILL STAND DOWN
 06/17/23 00:41:02 | JaDoul, Alexis | 3 | Arrived At (Location: LAFARGE) - 23 WILL BE OFF DUTY, ILL BE HEADING TO THE OFFICE
 06/17/23 00:41:13 | JaDoul, Alexis | 23 | Off Duty (Location: Residence)
 06/17/23 00:46:53 | McGregor, Lindsey | DAIRYLAND POWER CALLED AND ADVISED THEY HAVE NO CAMERAS THAT COVER THAT SIDE OF WHERE THE IINCIDENT TOOK PLACE
 06/17/23 00:52:19 | JaDoul, Alexis | 3 | Location Change (Location: VCSO - Vernon Co Sheriff Office)
 06/17/23 01:07:04 | McGregor, Lindsey | 3 | Busy (Location: VCSO - Vernon Co Sheriff Office)
 06/17/23 01:29:14 | JaDoul, Alexis | 14 | Location Change (Location: Impound - Inside) - BOTH TOWS
 06/17/23 01:33:08 | JaDoul, Alexis | DFD1 | Location Change (Location: Station - Fire/EMS)
 06/17/23 01:33:43 | JaDoul, Alexis | GFD1, GFR, WDFD1, WDFR | Location Change (Location: Station - Fire/EMS)
 06/17/23 01:35:21 | JaDoul, Alexis | 1 | Message - CAN YOU CALL STOC AND HWY COMISSONER?
 06/17/23 01:35:53 | JaDoul, Alexis | 1 | Location Change (Location: VCSO - Vernon Co Sheriff Office)
 06/17/23 01:36:13 | McGregor, Lindsey | STOC NOTIFIED THAT ROAD IS BACK OPEN
 06/17/23 01:37:13 | Krzewinski, Donald | 19 | Available
 06/17/23 01:38:53 | JaDoul, Alexis | DFD1 | Arrived At (Location: Station - Fire/EMS)
 06/17/23 01:38:59 | JaDoul, Alexis | DFD1 | Available
 06/17/23 01:39:23 | JaDoul, Alexis | CALLED HWY COM PHIL HEWITT, HE WAS NOTIFIED HWY IS BACK OPEN
 06/17/23 01:40:05 | JaDoul, Alexis | 1 | Message - (D) HWY COM AND STOC WERE NOTIFED ROAD IS BACK OPEN
 06/17/23 01:44:16 | JaDoul, Alexis | 62 | Message - ILL BE MOVING SOME OF THE SIGNS TO THE SIDE IN GENOA
 06/17/23 01:46:25 | JaDoul, Alexis | WDFD1, WDFR | Arrived At (Location: Station - Fire/EMS)
 06/17/23 01:46:37 | JaDoul, Alexis | WDFD1, WDFR | Available
 06/17/23 01:48:35 | JaDoul, Alexis | 62 | Location Change (Location: VCSO - Vernon Co Sheriff Office) - ALL SIGNS HAVE BEEN TURNED, HEADING BACK NOW
 06/17/23 01:49:09 | JaDoul, Alexis | 117, SPTO | Available - PER 1
 06/17/23 02:01:26 | JaDoul, Alexis | 14 | Arrived At (Location: Impound - Inside)
 06/17/23 02:11:50 | JaDoul, Alexis | 62 | Arrived At (Location: VCSO - Vernon Co Sheriff Office)
 06/17/23 02:11:54 | JaDoul, Alexis | 1 | Arrived At (Location: VCSO - Vernon Co Sheriff Office)
 06/17/23 02:18:41 | JaDoul, Alexis | GFD1, GFR | Available
 06/17/23 02:20:05 | JaDoul, Alexis | 8 | Available - PER 3
 06/17/23 02:24:36 | JaDoul, Alexis | 14 | Location Change (Location: VCSO - Vernon Co Sheriff Office)
 06/17/23 02:24:45 | JaDoul, Alexis | 14 | Arrived At (Location: VCSO - Vernon Co Sheriff Office)
 06/17/23 03:11:04 | JaDoul, Alexis | 1 | Off Duty (Location: Residence)
 06/17/23 03:11:28 | JaDoul, Alexis | 62 | Available
 06/17/23 03:14:02 | JaDoul, Alexis | 14 | Available
 06/19/23 11:45:47 | Olson, Bruce | CORRECTION: THE ENTRY ON 06/16/23 AT 18:52:42 WAS NOT FROM RFD1 BUT IT WAS FROM STATE TROOPERS #533 AND #516 CALLING AND ASKING IF THEY SHOULD RESPOND TO THIS INCIDENT...DISPATCH TOLD THEM TO RESPOND.



SHERIFF'S OFFICE
COUNTY OF VERNON
1320 BAD AXE COURT
VIROQUA, WISCONSIN 54665
ROY TORGERSON, SHERIFF

BUSINESS: 608-637-2123
FAX: 608-638-5702
RECORDS: 608-638-5710
JAIL: 608-638-5780
JAIL FAX: 608-638-5785
EMAIL: vcso@vernoncounty.org

NATHAN CAMPBELL, CHIEF DEPUTY

CFS - Unit Response Times

Printed on June 19, 2023

CFS # CFS23-12398
Call Taker Lillian Clements
Location S5074 STATE HIGHWAY 35, GENOA, WI 54632
Location Details
Primary Incident Code WELF : WELFARE CHECK
Additional Incident Code(s) DI : DEATH INVESTIGATION
CHASE : PURSUIT
Mod In Progress
Priority 1
Use Caution No
Primary Disposition Report Needed
Beat WEST
Zone Town of Genoa
Call Time 06/16/23 17:51:10
Completed Time 06/17/23 03:14:02

Reporters

(Initial Reporter)

Sex Female
DOB [REDACTED]
Address S5074 STATE HWY 35
GENOA, WI 54632
Home Phone (608) [REDACTED]
Home Phone (608) [REDACTED]
Home Phone (605) [REDACTED]
Cell Phone (608) [REDACTED]
Report Time 06/16/23 17:51:10
How Reported Phone
From Phone (651) [REDACTED]
Contact Phone
Comments

Other Names

BOARDMAN, WILLIAM STEVEN (Patient)

Sex Male
DOB [REDACTED]
Address S5074 STATE HIGHWAY 35
GENOA, WI 54632
Home Phone (608) [REDACTED]
Cell Phone (608) [REDACTED]
Comments

DESOTO FIRE DEPARTMENT (Other)

Sex
DOB
Address 57 CRAWFORD ST
DESOTO, WI 54624
Home Phone (608) 648-3331
Comments

GENOA FIRE DEPARTMENT (Other)

Sex**DOB****Address** 126 MAIN ST
GENOA, WI 54632**Home Phone** (608) 689-2151**Home Phone** (608) 689-2561**Comments****GENOA FIRST RESPONDERS (Other)**

Sex**DOB****Address** 126 MAIN ST
GENOA, WI 54632**Home Phone** (608) 689-2151**Comments****GUNDERSEN AIR (Other)**

Sex Unknown**DOB****Address** 1910 SOUTH AVE
LACROSSE, WI 54601**Home Phone** (800) 527-1200**Comments****READSTOWN AMBULANCE (Other)**

Sex**DOB****Address** 107 N RAILROAD ST
READSTOWN, WI 54652**Home Phone** (608) 629-5100**Comments****STODDARD FIRE DEPARTMENT (Other)**

Sex**DOB****Address** 188 N MAIN ST
STODDARD, WI 54658**Home Phone** (608) 457-2118**Comments****TRI-STATE AMBULANCE (Other)**

Sex**DOB****Address** 235 COPELAND AVE
LACROSSE, WI 54601**Cell Phone** (608) 606-1901**Home Phone** (608) 775-5407**Home Phone** (608) 784-4996**Home Phone** (608) 637-8639**Comments****VERNON COUNTY CORONER (Other)**

Sex**DOB****Address** 318 FAIRLANE DR
VIROQUA, WI 54665**Home Phone** (608) 637-5284**Comments****VERNON COUNTY EMERGENCY MANAGEMENT (Other)**

Sex**DOB**

Address

VIROQUA, WI 54665

Home Phone (608) 637-5267**Comments****VERNON COUNTY HIGHWAY DEPARTMENT (Other)****Sex****DOB****Address** 1335 RAILROAD AVE

VIROQUA, WI 54665

Home Phone (608) 637-5452**Comments****WHEATLAND FIRE DEPARTMENT (Other)****Sex****DOB****Address** E2177 STATE HIGHWAY 82

DE SOTO, WI 54624

Home Phone (608) 648-2600**Comments****WHEATLAND FIRST RESPONDERS (Other)****Sex****DOB****Address** E2177 STATE HIGHWAY 82

DESOTO, WI 54624

Home Phone (608) 648-2600**Comments****WI DEPT OF JUSTICE (DCI) (Other)****Sex**

Unknown

DOB**Address** PO BOX 7857

MADISON, WI 53707

Home Phone (608) 266-1221**Comments****WISCONSIN STATE PATROL (Other)****Sex****DOB****Address** 23928 LESTER MCMULLIN DR

TOMAH, WI 54660

Home Phone (608) 374-0513**Comments****Vehicles****SJ2723 WI (Other)****Description** 2001 Black Dodge Dakota**Owner** BOARDMAN, WILLIAM STEVEN**Responders**

117 (Primary)	117 - Nigh, Betty	COR
DFD1 (Primary)		DFD
EG100 (Primary)	EG100 - Larson, Brandon	EMG
GFD1 (Primary)		GFD
GFR (Primary)		GFR
GUNDAIR (Primary)		GUNDAIR
RFD1 (Primary)		RFD
SFD1 (Primary)		SFD

1	1 - Torgerson, Roy	VCSO (Primary)
2		VCSO (Primary)
3	3 - Davig, Michael	VCSO (Primary)
4	4 - Bjerkos, Scott	VCSO (Primary)
8	8 - Egge, JoEllen	VCSO (Primary)
14	14 - Winchel, Sam	VCSO (Primary)
19	19 - Krzewinski, Donald	VCSO (Primary)
20 (Primary)	20 - Brueggeman, Bradley	VCSO (Primary)
23	23 - Brown, Jonathon	VCSO (Primary)
62	62 - Howell, Larry	VCSO (Primary)
WDFD1 (Primary)		WDFD
WDFR (Primary)		WDFR
SPTO (Primary)		WSP

Response Times

Assigned 06/16/23 18:03:30
Enroute 06/16/23 18:15:21
Arrived 06/16/23 18:32:09
Leaving 06/16/23 18:42:21
Arrived At 06/16/23 18:42:42
Completed 06/17/23 03:14:02

IR / External Agency Numbers

VCSO-23-0704 PO: 14 - Winchel, Sam

Unit Response Times

Non Unit Specific Times

06/16/23 17:51:10 | New CFS
 06/16/23 17:55:29 | DAUGHTER THINKS THAT HE NEEDS HELP, BUT HE WOULDN'T GO WILLINGLY, SHE IS ON HER WAY UP NOW
 06/16/23 17:57:06 | [REDACTED] IS AFRAID HE IS GOING TO HURT HIMSELF
 06/16/23 17:57:38 | MALE DOES HAVE BOND CONDITIONS THROUGH US CURRENTLY
 06/16/23 18:54:30 | ATTEMPTED 1 AND 5 VIA PHONE
 06/16/23 18:57:40 | STATE PATROL CALLED THEY ARE SEND 2 UNITS
 06/16/23 19:01:08 | GUNDERSEN AIR CALLED AND ADVISED THEY HAVE BEEN DISPATCHED BY THEIR UNIT, NEED FIRE TO START A LANDING ZONE AT HELP SITE
 06/16/23 19:04:48 | GUNDERSEN AIR 18 MINUTES OUT
 06/16/23 19:08:23 | TSA AIR WAS NOTIFIED OF HELP LANDING ZONE, GENOA PARK
 06/16/23 19:17:46 | CHRIS WITH DESOTO FIRE WILL SHUT DOWN 35 AT DESOTO
 06/16/23 19:17:51 | CALLED STODDARD CHIEF, SEND OUT PAGE TO STATION
 06/16/23 19:40:07 | PER SHERIFF TORGERSO, REQUEST TO CALL STATE PATROL AND ADVISE THEM THAT DCI WILL LEAD THE INVESTIGATION AND THAT WE WOULD STILL REQUEST THE TRU UNIT TO RESPOND. NOTIFIED STPO DISPATCH AND THEY WILL GET SOMEONE HEADED THIS WAY, AND CALL AND LET US KNOW WHEN SOMEONE IS ENR
 06/16/23 19:59:12 | CALLED STOC TO UPDATE THEM. STATE HIGHWAY 56 IN GENOA WILL BE DETOUR FFROM THE NORTH
 06/16/23 20:13:27 | LEDS - Morrison
 (08:09:23 PM)
 :
 Hey! Heather from State Patrol. I know I called and asked for suspect info, but my trooper is now asking for both of the Deputies who were involved info as well please.
 LEDS - Morrison
 (08:10:25 PM)
 :
 Also, I have TRU Investigator Schultz coming out, but he's coming from out of Kronenwetter, WI so it will be about 2 hours before he gets to the scene. 533 is a TRU tech and will start the TRU process for him.

LEDS - Morrison
(08:13:40 PM)

If you need it for your CAD notes, our Case number is 000251-7121 Crash Doc# KRL0HNC3CT

06/16/23 20:26:39 | DAVID SOLEY FROM WXOW 507-895-9960 LOOKING FOR UPDATE
06/16/23 20:27:57 | LEAH FROM WKVC 224-563-8216 ADVISED THEY ARE ALMOST ON SCENE
06/16/23 20:32:21 | [REDACTED] HAS BEEN NOTIFIED FOR DEPUTY BROWN. SHE HAS CONTACTED
[REDACTED] S ENR TO BE WITH BROWN
06/16/23 20:40:17 | I TALKED TO PHIL HEWITT WITH THE HIGHWAY DEPT. AND HE ALREADY MADE CONTACT
WITH THE TRAFFIC MANAGEMENT CENTER ABOUT THE DETOUR SET UP.
06/16/23 20:57:26 | CALLED
06/16/23 21:42:18 | JUNEAU COUNTY LT GREEN WILL BE RESPONDING TO CALLS ON THE EAST SIDE FOR
AN HOUR PER SHERIFF TORGERSON'S REQUEST. LT GREEN'S BADGE NUMBER [REDACTED]
06/16/23 21:47:02 | LT GREEN'S BADGE NUMBER IS 5. PHONE NUMBER IS 608-[REDACTED]
06/16/23 22:10:25 | PER DEPUTY CAMPBELL DCI ARRIVED AT THE SHERIFFS OFFICE
06/16/23 22:38:25 | ERIC WITH WI DOT CALLED LOOKING FOR AN UPDATE ON THE ROAD CLOSURE. PER
CAPTAIN DAVIG, ITS GOING TO BE A FEW MORE HOURS
06/16/23 23:47:10 | PER CAPTAIN DAVIG, LT GREEN CAN BE RELEASED. MACH MESSAGE SENT TO LT
GREEN
06/17/23 00:46:53 | DAIRYLAND POWER CALLED AND ADVISED THEY HAVE NO CAMERAS THAT COVER THAT
SIDE OF WHERE THE INCIDENT TOOK PLACE
06/17/23 01:36:13 | STOC NOTIFIED THAT ROAD IS BACK OPEN
06/17/23 01:39:23 | CALLED HWY COM PHIL HEWITT, HE WAS NOTIFIED HWY IS BACK OPEN
06/19/23 11:45:47 | CORRECTION: THE ENTRY ON 06/16/23 AT 18:52:42 WAS NOT FROM RFD1 BUT IT WAS
FROM STATE TROOPERS #533 AND #516 CALLING AND ASKING IF THEY SHOULD RESPOND TO THIS
INCIDENT...DISPATCH TOLD THEM TO RESPOND.

1

06/16/23 18:57:17 | Dispatched
06/16/23 20:39:05 | Message - IF WE GET ANYTHING EAST CALL JUNEAU ON THE PHONE WITH THEIR
SHERIFF NOW
06/16/23 20:39:16 | Message - (d) PRESS ON THE NORTH END WANTING TO TALK TO YOU
06/16/23 20:39:25 | Message - I'LL TRY TO TALK TO THEM IF I CAN
06/16/23 20:50:21 | Message - LT GREEN COMING INTO VERNON CO WILL CALL YOU DIRECT
06/16/23 21:24:57 | On Scene
06/16/23 21:28:22 | Message - DCI arrived.
06/16/23 21:30:07 | Clear Alarms
06/16/23 21:44:46 | Message - PUT US ALL ON POLICE ALTERNATE EVERYONE ELSE BACK ON SHERIFF
06/16/23 21:44:58 | Message - WE COPY ABOUT THE BOAT & TRUCK
06/16/23 22:09:25 | Message - GENOA FIRE CAN SEND THEIR TRUCK WITH LIGHTING DOWN HERE NOW
06/17/23 00:01:58 | Message - C&C TOWING ENR SHORTLY FROM LACROSSE, UNK WHICH VEHICLE HE WILL
BE GETTING
06/17/23 00:04:02 | Message - Only tow will be for the Boardman vehicle.
06/17/23 00:18:46 | Message - SLEEPY HOLLOW ENROUTE WITH THE NEXT TOW
06/17/23 00:21:21 | Message - F1241 - FOR SLEEPY HOLLOW TOW
06/17/23 00:29:57 | Message - C&C IS HERE WITH TWO... ASK SLEEPY HOLLOW IF THEY CAN STAND DOWN
THIS ONE
06/17/23 00:30:13 | Message - (D) CALLED MIKE, HE WILL STAND DOWN
06/17/23 01:35:21 | Message - CAN YOU CALL STOC AND HWY COMISSONER?
06/17/23 01:35:53 | Location Change (Location: VCSO - Vernon Co Sheriff Office)
06/17/23 01:40:05 | Message - (D) HWY COM AND STOC WERE NOTIFIED ROAD IS BACK OPEN
06/17/23 02:11:54 | Arrived At (Location: VCSO - Vernon Co Sheriff Office)
06/17/23 03:11:04 | Off Duty (Location: Residence)

117

06/16/23 19:19:49 | Dispatched
06/16/23 19:59:33 | On Scene
06/16/23 20:20:41 | On Scene - 1946 arrival
06/16/23 22:42:10 | Available
06/16/23 22:42:39 | On Scene

117, SPTO

06/17/23 01:49:09 | Available - PER 1

14

06/16/23 18:48:34 | Enroute
06/16/23 21:25:01 | On Scene
06/16/23 21:30:13 | Clear Alarms
06/16/23 23:58:45 | Message - 1 TOW TRUCK, GOING TO IMPOUND
06/17/23 00:13:10 | Message - VIA PHONE REQUESTED ANOTHER TOW FOR SQUAD CAR
06/17/23 01:29:14 | Location Change (Location: Impound - Inside) - BOTH TOWS
06/17/23 02:01:26 | Arrived At (Location: Impound - Inside)
06/17/23 02:24:36 | Location Change (Location: VCISO - Vernon Co Sheriff Office)
06/17/23 02:24:45 | Arrived At (Location: VCISO - Vernon Co Sheriff Office)
06/17/23 03:14:02 | Available

19

06/16/23 20:19:00 | Enroute
06/16/23 20:36:36 | Location Change (Location: STATE HIGHWAY 35/GIANOLI RD)
06/16/23 20:36:40 | Arrived At (Location: STATE HIGHWAY 35/GIANOLI RD)
06/16/23 21:13:49 | On Scene
06/16/23 21:19:00 | Clear Alarms
06/17/23 01:37:13 | Available

2

06/16/23 18:53:05 | Enroute
06/16/23 18:53:09 | Available

20

06/16/23 18:03:30 | Dispatched
06/16/23 18:15:21 | Enroute
06/16/23 18:32:09 | On Scene
06/16/23 18:37:26 | Check Status (Time (minutes): 15)
06/16/23 18:40:25 | Message - SJ2723 - HE JUST TOOK OFF IN HIS VEHICLE
06/16/23 18:42:06 | Message - (D) DO YOU COPY?
06/16/23 18:42:21 | Location Change (Location: GIANOLI RD) - HEADING THERE NOW
06/16/23 18:42:42 | Arrived At (Location: GIANOLI RD)
06/16/23 18:47:28 | Message - 1080 23 HANGING OUTSIDE OF VEHICLE
06/16/23 19:02:38 | Clear Alarms
06/16/23 22:48:03 | Off Duty (Location: Residence)

23

06/16/23 18:42:59 | Dispatched
06/16/23 18:43:50 | Location Change (Location: GIANOLI RD) - DELAYED - TRYING TO GET VEHICLE STOPPED LIGHTS AND SIRENS
06/16/23 18:43:55 | Arrived At (Location: GIANOLI RD) - GOT IT STOPPED
06/16/23 18:48:16 | Message - 1050 [REDACTED]
06/16/23 18:50:14 | Message - CPR IN PROGRESS [REDACTED]
06/16/23 18:51:39 | Message - [REDACTED]
06/16/23 18:51:43 | Message - EMT ON SC3ENE
06/17/23 00:41:13 | Off Duty (Location: Residence)

3

06/16/23 18:53:11 | Enroute
06/16/23 19:05:04 | On Scene
06/16/23 19:10:16 | Clear Alarms
06/16/23 21:35:29 | Location Change (Location: VCISO - Vernon Co Sheriff Office)
06/16/23 21:35:32 | Arrived At (Location: VCISO - Vernon Co Sheriff Office)
06/17/23 00:15:42 | Location Change (Location: LAFARGE)
06/17/23 00:41:02 | Arrived At (Location: LAFARGE) - 23 WILL BE OFF DUTY, ILL BE HEADING TO THE OFFICE
06/17/23 00:52:19 | Location Change (Location: VCISO - Vernon Co Sheriff Office)
06/17/23 01:07:04 | Busy (Location: VCISO - Vernon Co Sheriff Office)

4

06/16/23 19:04:51 | Enroute

06/16/23 19:31:48 | On Scene
06/16/23 19:36:54 | Clear Alarms
06/16/23 23:18:26 | Off Duty (Location: Residence)

4, 23

06/16/23 20:10:34 | Location Change (Location: VCSO - Vernon Co Sheriff Office)
06/16/23 20:40:16 | Arrived At (Location: VCSO - Vernon Co Sheriff Office)

62

06/16/23 20:14:56 | Enroute
06/16/23 20:33:30 | On Scene
06/16/23 20:33:42 | Location Change (Location: STATE HIGHWAY 35/STATE HIGHWAY 56)
06/16/23 20:33:47 | Arrived At (Location: STATE HIGHWAY 35/STATE HIGHWAY 56)
06/16/23 20:39:03 | Clear Alarms
06/17/23 01:44:16 | Message - ILL BE MOVING SOME OF THE SIGNS TO THE SIDE IN GENOA
06/17/23 01:48:35 | Location Change (Location: VCSO - Vernon Co Sheriff Office) - ALL SIGNS HAVE BEEN
TURNED, HEADING BACK NOW
06/17/23 02:11:50 | Arrived At (Location: VCSO - Vernon Co Sheriff Office)
06/17/23 03:11:28 | Available

8

06/16/23 22:12:30 | Dispatched
06/16/23 22:12:33 | Location Change (Location: VCSO - Vernon Co Sheriff Office)
06/16/23 22:12:34 | Arrived At (Location: VCSO - Vernon Co Sheriff Office)
06/17/23 02:20:05 | Available - PER 3

DFD1

06/16/23 19:41:25 | Dispatched
06/17/23 01:33:08 | Location Change (Location: Station - Fire/EMS)
06/17/23 01:38:53 | Arrived At (Location: Station - Fire/EMS)
06/17/23 01:38:59 | Available

DFD1, WDFD1

06/16/23 19:42:03 | Location Change (Location: STATE HIGHWAY 35/COUNTY ROAD UU)

EG100

06/16/23 19:59:18 | Enroute
06/16/23 20:29:06 | On Scene
06/16/23 23:21:17 | Location Change (Location: VIROQUA)
06/16/23 23:50:29 | Available - BACK IN THE CITY

GFD1

06/16/23 19:00:02 | Clear Alarms
06/16/23 19:08:28 | Message - CAN YOU SEND A THIRD PAGE TO BALL PARK FOR LANDING ZONE
06/16/23 19:09:29 | Message - THIRD PAGE
06/16/23 19:12:40 | Message - LANDING ZONE SECURED
06/16/23 19:16:30 | Message - 10-79 CANCEL AIRT LINK
06/16/23 20:26:02 | Message - RESCUE TRUCK GOING TBACK TO STATION 3 TRUCKS ON SCENE YET
06/16/23 20:38:11 | Message - NEWS IS AT THE NORTH END WANTING TO TALK TO THE SHERIFF
06/16/23 22:10:02 | Message - (d) SEND YOUR TRUCK WITH LIGHTING DOWN BY 1 NOW

GFD1, GFR

06/16/23 18:49:55 | Dispatched
06/16/23 18:50:53 | Message - SECOND PAGE
06/16/23 18:52:32 | Enroute
06/16/23 18:54:38 | On Scene
06/16/23 19:06:18 | Message - (D) GUNDERSEN AIR 18 MIN - 18
06/17/23 02:18:41 | Available

GFD1, GFR, WDFD1, WDFR

06/17/23 01:33:43 | Location Change (Location: Station - Fire/EMS)

GFR

06/16/23 18:53:00 | Message - ENROUTE WITH 2

GUNDAIR

06/16/23 19:06:22 | Dispatched
06/16/23 20:05:04 | Off Duty

RFD1

06/16/23 18:52:42 | Enroute - HEADING DIRECT SELF
06/16/23 21:59:05 | Available

SFD1

06/16/23 19:18:33 | Dispatched - FIRST PAGE FOR TRAFFIC CONTROL
06/16/23 19:40:56 | Location Change (Location: STATE HIGHWAY 35/STATE HIGHWAY 162)
06/16/23 19:41:04 | Arrived At (Location: STATE HIGHWAY 35/STATE HIGHWAY 162)
06/16/23 20:14:17 | Message - WE ARE STILL AT 162 DO WE STILL WANT ROAD CLOSED THERE
06/16/23 20:14:46 | Message - (d) WE SAID HWY 56 FOR DETOUR
06/16/23 20:15:07 | Message - WE'RE PULLING OUR UNITS BACK
06/16/23 20:26:57 | Available

SPTO

06/16/23 18:57:04 | Enroute
06/16/23 19:32:08 | On Scene
06/16/23 19:37:45 | Clear Alarms

WDFD1

06/16/23 19:35:55 | Dispatched
06/16/23 21:42:52 | Message - TRUCK WITH BOAT WENT AROUND US ON PURPOSE NORTH AT A HIGH RATE OF SPEED

WDFD1, WDFR

06/17/23 01:46:25 | Arrived At (Location: Station - Fire/EMS)
06/17/23 01:46:37 | Available

WDFR

06/16/23 19:45:37 | Dispatched
06/16/23 19:46:07 | Location Change (Location: WASHINGTON RD/STATE HIGHWAY 35)



**SHERIFF'S OFFICE
COUNTY OF VERNON**
1320 BAD AXE COURT
VIROQUA, WISCONSIN 54665
ROY TORGERSON, SHERIFF

BUSINESS: 608-637-2123
FAX: 608-638-5702
RECORDS: 608-638-5710
JAIL: 608-638-5780
JAIL FAX: 608-638-5785
EMAIL: vcso@vernoncounty.org

NATHAN CAMPBELL, CHIEF DEPUTY

Tow Call - F1241

Printed on June 19, 2023

Reference # TC202300175
CFS # CFS23-12398
Added By McGregor, Lindsey
Towed From
Towed To Impound - Inside
Tow Operator C&C Towing and Recovery
Plate # F1241
Plate Expires
Plate State WI
Plate Type MUNICIPAL OFFICIAL
VIN 1FM5K8AW3MNA20314
Vehicle Year 2021
Vehicle Make Ford
Vehicle Model Explorer
Vehicle Style SUV
Vehicle Color 1 Black
Vehicle Color 2 Black
Vehicle Features P-3
Owner VERNON COUNTY SHERIFF'S OFFICE
Owner
Driver
Hold No
Status Active
Comments SQUAD CAR

Attempts

Called At	Tow Operator	Call Result	Comments
06/17/23 00:15	C&C Towing and Recovery	Available	MIKE WILL TURN AROUND AND C&C CAN TOW



**SHERIFF'S OFFICE
COUNTY OF VERNON**
1320 BAD AXE COURT
VIROQUA, WISCONSIN 54665
ROY TORGERSON, SHERIFF

BUSINESS: 608-637-2123
FAX: 608-638-5702
RECORDS: 608-638-5710
JAIL: 608-638-5780
JAIL FAX: 608-638-5785
EMAIL: vcso@vernoncounty.org

NATHAN CAMPBELL, CHIEF DEPUTY

Tow Call - SJ2723

Printed on June 19, 2023

Reference # TC202300174
CFS # CFS23-12398
Added By McGregor, Lindsey
Towed From
Towed To Impound - Inside
Tow Operator C&C Towing and Recovery
Plate # SJ2723
Plate Expires 2022
Plate State WI
Plate Type LIGHT TRUCK UNDER 10000 LBS
VIN 1B7GG26N11S113521
Vehicle Year 2001
Vehicle Make Dodge
Vehicle Model Dakota
Vehicle Style
Vehicle Color 1 Black
Vehicle Color 2 Black
Vehicle Features Tracking Notes:
Owner WILLIAM STEVEN BOARDMAN
Owner
Driver
Hold No
Status Active
Comments

Attempts

Called At	Tow Operator	Call Result	Comments
06/17/23 00:04	C&C Towing and Recovery	Available	ENR SHORLTY



**SHERIFF'S OFFICE
COUNTY OF VERNON**
1320 BAD AXE COURT
VIROQUA, WISCONSIN 54665
ROY TORGERSON, SHERIFF

BUSINESS: 608-637-2123
FAX: 608-638-5702
RECORDS: 608-638-5710
JAIL: 608-638-5780
JAIL FAX: 608-638-5785
EMAIL: vcso@vernoncounty.org

NATHAN CAMPBELL, CHIEF DEPUTY

Tow Call

Printed on June 19, 2023

Reference # TC202300173
CFS # CFS23-12398
Added By McGregor, Lindsey
Towed From
Towed To
Tow Operator C&C Towing and Recovery
Plate #
Plate Expires
Plate State
Plate Type
VIN
Vehicle Year
Vehicle Make
Vehicle Model
Vehicle Style
Vehicle Color 1
Vehicle Color 2
Vehicle Features
Owner
Owner
Driver
Hold No
Status Active
Comments

Attempts

Called At	Tow Operator	Call Result	Comments
06/16/23 23:59	C&C Towing and Recovery	Available	ENROUTE SHORTLY

STATE OF WISCONSIN, CIRCUIT COURT, Vernon COUNTY☐ State of Wisconsin☐ Amended

-VS-

Bail/Bond

Defendant

William Boardman

Case No.

22cm117

Citation No.

Date of Birth

A. Monetary Conditions of Release

1. ☐ CASH BAIL: Cash bail of \$ _____ shall be deposited. Date deposited _____.
2. ☒ SIGNATURE BOND: ☒ Defendant and/or ☐ Surety guarantees compliance with the terms of this bond by pledging \$ 1,000.00.
3. ☐ PROPERTY BOND: ☐ Defendant and/or ☐ Surety guarantees compliance with the terms of this bond by pledging \$ _____ in personal or real property (Description attached).

Surety name(s): _____

B. Additional Conditions of Release

- Defendant shall appear on all court dates.
- Defendant shall give written notice to the Clerk of this Court within 48 hours of any change of address or telephone number.
- Defendant shall not commit any crime.
- Defendant shall neither directly nor indirectly threaten, harass, intimidate or otherwise interfere with victims or witnesses in this action.
- Other: ☒ See attached

If the defendant does not comply with the terms of this bail/bond, the defendant may be charged with bail jumping, a warrant may be issued for the arrest of the defendant, the bail/bond may be forfeited, and the defendant and/or surety may be ordered to pay the amount of the bond.

Any restitution, recompense, fines, forfeitures or costs imposed against the defendant shall be paid out of the bail/bond without further notice.

Federal law provides penalties for, and you may be prohibited from possessing, transporting, shipping, receiving or purchasing a firearm, including, but not limited to, a rifle, shotgun, pistol, revolver, or ammunition, pursuant to 18 U.S.C. §922(g)(8)-(9).

The sheriff shall detain the defendant in custody until the defendant has signed the bond, complied with the monetary conditions of release, or is otherwise discharged.

I have received a copy of this bail/bond and I agree to its terms. I understand that the court date(s) is/are:

Circuit Court Location(s) VERNON COUNTY COURTHOUSE 2ND FLOOR COURTROOM VIROQUA WI 54665		Date(s) <u>8/30/2022</u>	Time(s) <u>8:30am</u>
Defendant's Signature <u>William S Boardman</u>	Date <u>8/28</u>	Telephone Number <u>[REDACTED]</u>	Email Address <u>[REDACTED]</u>
Defendant's Address <u>55074 St Hwy 35 Genoa WI 54632</u>			

Surety's Signature	Date	Telephone Number
Surety's Address		

☒ I have furnished the defendant with a copy of this document.

Signature

Shirley Acm. Asst

Title

Date

6-28-2022

BOND CONDITIONS

June 28, 2022

STATE OF WISCONSIN VS. William Boardman
CASE NO. 2022CM117

Conditions:

1. Not to possess or consume alcohol.
2. Random Alcohol testing



**SHERIFF'S OFFICE
COUNTY OF VERNON**

1320 BAD AXE COURT
VIROQUA, WISCONSIN 54665

BUSINESS: 608-637-2123
FAX: 608-638-5702
RECORDS: 608-638-5710
JAIL: 608-638-5780
JAIL FAX: 608-638-5785
EMAIL: vcso@vernoncounty.org

ROY R. TORGERSON, SHERIFF

NATHAN CAMPBELL, CHIEF DEPUTY SHERIFF

PROPERTY RECEIPT

DATE OWNER NOTIFIED: 6-23-23

REFERENCE CASE#: UESO 23-0704

OFFICER AUTHORIZING RELEASE: SPECIAL AGENT ADAM FREDRIK, D.O.S.

PROPERTY DESCRIPTION

ITEM NO.	AMOUNT	BRAND	SER/MOD#	DESCRIPTION
1	6	6 KEY AND KEY CHAIN.		

RECEIVED BY

(SIGNATURE)

(PRINTED NAME)

ADDRESS/PHONE

WITNESSED:

DATE:

06/27/2023

Wisconsin Division of Criminal Investigation

Examination of Records 23-4795/34

Report Date: 07/10/2023

Primary Information

Description:	Drone photographs from Vernon County Emergency Management
Occurrence From:	06/22/2023 12:00
Occurrence To:	06/22/2023 12:00
Reporting LEO:	Frederick, Adam L (Eau Claire Special Assignments DCI / Wisconsin Division of Criminal Investigation)
Report Status:	Approved
Report Status Date:	07/10/2023
Approved By:	Heiser, Shane T (Wisconsin Division of Criminal Investigation)

Addresses

<u>Relationship</u>	<u>Address</u>
Location of Event	Vernon County Sheriff's Department, Viroqua, Wisconsin United States of America

Narrative begins on the following page.

Wisconsin Division of Criminal Investigation Case Report
Case/Report Number: 23-4795/34

On June 19, 2023, at approximately 12:00 P.M., Special Agents (S/A) Adam L. Frederick and Michael K. Haverley met with Vernon County Emergency Management [REDACTED] at the Vernon County Sheriff's Office. [REDACTED] utilized Vernon County Emergency Management's drone to take still photographs of the scene shortly after the Officer Involved Critical Incident occurred.

A total of 14 images were captured and were subsequently turned over to S/A Frederick. [REDACTED] said video of the scene was not obtained due to the time of day the drone began to fly. The images were uploaded to the critical incident folder.

Wisconsin Division of Criminal Investigation

Examination of Records 23-4795/35

Report Date: 07/10/2023

Primary Information

Description:	Additional narrative report received from VCSO
Reporting LEO:	Haverley, Michael K (Eau Claire Narcotics DCI / Wisconsin Division of Criminal Investigation)
Report Status:	Approved
Report Status Date:	07/10/2023
Approved By:	Heiser, Shane T (Wisconsin Division of Criminal Investigation)

Synopsis

On July 10, 2023, Wisconsin Department of Justice - Division of Criminal Investigation Special Agent Michael Haverley received an additional narrative report from the Vernon County Sheriff's Office (VCSO).

Documents

Document

VCSO Inv. Scott Bjerkos narrative report

Narrative begins on the following page.

Wisconsin Division of Criminal Investigation Case Report

Case/Report Number: 23-4795 Additional narrative report received from VCSO

On July 10, 2023, Wisconsin Department of Justice - Division of Criminal Investigation Special Agent Michael Haverley received an additional narrative report from the Vernon County Sheriff's Office (VCSO). The report arrived via email from Lead Administrative Assistant Amy Dvorak. SA Haverley observed that this narrative report was a two-page report authored by Investigator (Inv.) Scott Bjerkos of VCSO.

ATTACHMENT:

SA Haverley electronically attached Inv. Bjerkos' report with this DCI report.



SHERIFF'S OFFICE
COUNTY OF VERNON
1320 BAD AXE COURT
VIROQUA, WISCONSIN 54665
ROY TORGERSO, SHERIFF

BUSINESS: 608-637-2123
FAX: 608-638-5702
RECORDS: 608-638-5710
JAIL: 608-638-5780
JAIL FAX: 608-638-5785
EMAIL: vcso@vernoncounty.org

NATHAN CAMPBELL, CHIEF DEPUTY

Case Narrative for VCSO-23-0704 (06/16/23
19:00)

Printed on July 10, 2023

Assisting Officer Report By Scott Bjerkos, 06/16/23 19:00

Case #VCSO-23-0704

Typed By Vicky Inman

This report is in regards to a death investigation.

DECEASED: William S. Boardman

On June 16, 2023, at approximately 7:00 PM, while I was off duty, I was monitoring radio traffic from my residence. After hearing about the critical incident that occurred in the Genoa area, I made contact with Captain Michael G. Davig. He instructed me to report to the scene on State Highway 35, just south of Genoa.

At approximately 7:04 PM, I went en route to the location.

At approximately 7:31 PM, I arrived on location.

Upon my arrival, I made contact with Sheriff Roy R. Torgerson and Captain Davig. I was informed the incident was an officer involved shooting. My assignment was to maintain personal contact with Deputy Sheriff Jonathon R. Brown, who was the deputy involved in the shooting.

I made contact with Deputy Brown. Deputy Brown's gun was previously taken into evidence by Sheriff Torgerson and Captain Davig. I provided Deputy Brown with my department issued 9-millimeter Glock pistol, and he placed it in his gun holster. I maintained personal contact with Deputy Brown during the remainder of the time on location.

Sheriff Torgerson and I made phone contact, and Sheriff Torgerson instructed me to take Deputy Brown to the sheriff's office.

At approximately 8:10 PM, I went en route and transported Deputy Brown to the sheriff's office.

At approximately 8:40 PM, I arrived at the sheriff's office.

Upon my arrival, I escorted Deputy Brown into the sheriff's office and maintained personal contact with him. I fielded calls from the WPPA representative. I made arrangements for the union representative to speak with Deputy Brown in the privacy of the squad room at the sheriff's office. While Deputy Brown was in the squad room speaking with the union representative, I stood outside the door in the hallway.

Later in the evening, Special Agent Adam L. Frederick with the Wisconsin Department of Justice, Division of Criminal Investigation arrived at the sheriff's office. Special Agent Frederick began taking photographs of the equipment Deputy Brown received.

A WPPA attorney and other representatives arrived on location to assist Deputy Brown, and I was able to clear from the call.

--End of Report--

Investigator Scott D. Bjerkos
Vernon County Sheriff's Office

Signed _____
Scott Bjerkos, Investigator

Date _____

Wisconsin Division of Criminal Investigation

Investigative 23-4795/36

Report Date: 07/10/2023

Primary Information

Description:	Forensic Mapping
Occurrence From:	07/07/2023
Occurrence To:	07/07/2023
Reporting LEO:	Bender, Justin D (Wausau Special Assignments DCI / Wisconsin Division of Criminal Investigation)
Report Status:	Approved
Report Status Date:	07/13/2023
Approved By:	Heiser, Shane T (Wisconsin Division of Criminal Investigation)

Addresses

<u>Relationship</u>	<u>Address</u>
Location of Event	State Highway 35, Genoa, WI, Wisconsin United States of America

Subjects

<u>Relationship</u>	<u>Name</u>	<u>Bio</u>	<u>DOB</u>
Deceased	Boardman, William S (Person)	61 yr. old, White, Male	██████████

Documents

<u>Document</u>
GNSS Forensic Mapping Measurement Log
WSP Trooper Sukis Supplement Report

Narrative begins on the following page.

Wisconsin Division of Criminal Investigation Case Report
Case/Report Number: 23-4795/36

On Friday, June 16, 2023, Wisconsin Department of Justice / Division of Criminal Investigation (WI DOJ/DCI) Special Agents (SA) were requested by the Vernon County Sheriff's Office (VCSO) to investigate an Officer Involved Critical Incident (OICI) which occurred on State Highway 35 north of Gianoli Road in Vernon County, Wisconsin. The suspect, William S. Boardman, was fatally shot during the incident. The WI DOJ/DCI was requested by the VCSO to be the lead investigative agency for the OICI.

On Friday, July 7, 2023, WI DOJ/DCI SA Justin Bender responded to the incident scene to complete additional scene forensic mapping in reference to the OICI. The purpose of the mapping was to document known landmarks/locations at the scene that could be utilized in conjunction with body camera and video surveillance footage for the completion of a time-distance speed analysis. Wisconsin State Patrol (WSP) Trooper Christopher Sukis assisted during the follow-up.

Forensic Mapping:

SA Bender and Trooper Sukis documented additional items/locations at the incident scene utilizing a Trimble R10 Global Navigation Satellite System (GNSS) survey instrument and TSC3 data collector. The Trimble R10 unit connects via portable Wi-Fi to the Wisconsin Continuously Operating Reference Stations (WISCORS) Network and its base stations located throughout the state. The 360-degree receiver supports signals from all existing and planned GNSS constellations and augmentation systems. The Trimble R10 combines the GNSS coordinates with the corrections from the WISCORS Network. The original job file was utilized during the mapping to properly merge the measured points collected by Trooper Sukis on June 16, 2023, with the additional items. The recorded data included, but was not limited to; roadway markings, highway signs, rumble strips, power poles, a Vernon County Highway Department Building and camera locations. The data was stored electronically for future processing and analysis.

DCI Report Attachments:

SA Bender electronically attached the supplemental report completed by Trooper Sukis and the GNSS forensic mapping measurement log SA Bender collected as an attachment to this narrative report. The additional measured points on the log were point numbers 401-466. The remainder of the points (beginning of the log) were measured by Trooper Sukis on June 16, 2023.

Wisconsin Department of Justice - Division of Criminal Investigation

Forensic Mapping Measurement Log

Case Number: 23-4795

Date: July 7, 2023

Instrument: Trimble R10 GNSS

Operator: Special Agent Justin Bender



Point Number	Northing (Y)	Easting (X)	Elevation (Z)	Point Code
IA New Albin	127936.191	595364.232	671.289	
1	151392.917	611803.671	659.272	CP1
2	151127.62	611829.663	657.986	CP2
100	151117.427	611798.151	650.2	TM1
101	151132.301	611797.482	650.177	TM1
102	151145.111	611797.228	650.044	TM1
103	151157.811	611796.799	650.046	TM1
104	151170.287	611796.188	649.949	TM1
105	151179.482	611795.804	649.969	TM1
106	151189.072	611795.488	649.933	TM1
107	151199.131	611794.97	649.847	TM1
108	151207.457	611794.385	649.838	TM1
109	151217.824	611793.567	649.907	TM1
110	151227.141	611793.071	649.75	TM1
111	151235.003	611792.616	649.912	TM1
112	151241.988	611791.585	650.064	TM1
113	151248.216	611791.072	650.005	TM1
114	151254.769	611790.787	649.962	TM1
115	151261.474	611790.374	650.069	TM1
116	151268.431	611789.654	650.25	TM1
117	151276.34	611788.901	650.304	TM1
118	151283.612	611788.5	650.753	TM1
119	151291.47	611787.892	651.514	TM1
120	151298.16	611786.768	652.155	TM1
121	151302.448	611786.188	652.339	TM1
122	151306.784	611785.151	652.329	TM1
123	151313.514	611783.661	652.263	TM1
124	151388.767	611774.351	653.046	TM2
125	151401.232	611774.271	653.011	TM2
126	151407.445	611774.439	652.889	TM2
127	151415.961	611774.507	652.726	TM2
128	151427.96	611774.505	653.015	TM2
129	151442.365	611773.352	653.129	TM2

130	151453.907	611772.72	653.182	TM2
131	151467.145	611771.99	653.162	TM2
132	151480.24	611771.249	653.295	TM2
133	151491.423	611770.968	653.49	TM2
134	151510.054	611770.296	653.888	TM2
135	151526.033	611769.492	654.023	TM2
136	151542.304	611768.76	654.213	TM2
137	151560.574	611768.362	654.229	TM2
138	151576.084	611768.084	654.486	TM2
139	151590.698	611768.928	654.245	TM2
140	151603.927	611768.86	654.261	TM2
141	151614.216	611768.541	654.453	TM2
142	151630.909	611768.358	654.597	TM2
143	151639.121	611768.512	654.661	TM2
144	151645.379	611768.013	654.885	TM2
145	151648.07	611767.431	655.07	TM2
146	151661.539	611761.277	656.281	AXL1
147	151661.502	611767.808	655.297	AXL1
148	151652.295	611768.406	655.097	AXL2
149	151652.031	611761.811	656.078	AXL2
150	151656.27	611759.65	656.248	BODY
151	151650.356	611758.679	656.149	BODY
152	151647.991	611765.039	655.72	TRUCK
153	151647.83	611763.314	655.84	TRUCK
154	151648.111	611762.67	655.85	TRUCK
155	151650.737	611762.122	655.937	TRUCK
156	151654.27	611762.085	656.041	TRUCK
157	151659.199	611761.671	656.166	TRUCK
158	151662.818	611761.642	656.167	TRUCK
159	151663.669	611761.892	656.166	TRUCK
160	151664.063	611762.693	656.114	TRUCK
161	151664.33	611764.478	655.979	TRUCK
162	151664.149	611766.847	655.487	TRUCK
163	151663.625	611767.486	655.339	TRUCK
164	151660.298	611767.91	655.236	TRUCK
165	151655.075	611768.215	655.074	TRUCK
166	151649.809	611768.459	655	TRUCK
167	151648.234	611768.079	655.071	TRUCK
168	151647.908	611767.049	655.317	TRUCK
169	151648.008	611765.454	655.755	TRUCK
170	151773.851	611770.04	656.511	EG1
171	151774.318	611765.125	657.155	EA1
172	151774.162	611758.919	657.464	FL1
173	151773.531	611747.073	657.861	CL1
174	151773.353	611735.259	658.192	FL2
175	151772.797	611728.903	658.262	EA2
176	151773.851	611722.45	657.577	EG2

177	151718.196	611721.616	657.137	EG2
178	151717.62	611727.148	657.776	EA2
179	151717.056	611733.575	657.61	FL2
180	151716.646	611745.283	657.328	CL1
181	151716.301	611757.105	656.952	FL1
182	151716.072	611763.196	656.641	EA1
183	151715.583	611768.51	655.637	EG1
184	151667.981	611766.666	655.315	EG1
185	151667.869	611762.117	656.167	EA1
186	151667.659	611756.006	656.394	FL1
187	151667.573	611744.13	656.932	CL1
188	151666.923	611732.434	657.203	FL2
189	151666.897	611726.172	657.395	EA2
190	151666.524	611720.767	656.765	EG2
191	151618.686	611721.015	656.435	EG2
192	151616.047	611726.044	656.698	EA2
193	151616.765	611732.453	656.621	FL2
194	151616.765	611744.269	656.272	CL1
195	151617.536	611756.073	655.852	FL1
196	151617.426	611762.208	655.564	EA1
197	151617.556	611766.309	654.931	EG1
198	151556.436	611766.996	654.468	EG1
199	151556.448	611763.181	655.062	EA1
200	151556.171	611756.951	655.392	FL1
201	151555.285	611744.954	655.872	CL1
202	151554.242	611733.475	656.218	FL2
203	151553.296	611727.125	656.384	EA2
204	151552.381	611722.067	655.744	EG2
205	151483.317	611723.876	655.18	EG2
206	151482.449	611729.218	655.641	EA2
207	151480.517	611735.637	655.478	FL2
208	151480.617	611747.221	655.161	CL1
209	151480.938	611759.148	654.748	FL1
210	151480.73	611765.33	654.415	EA1
211	151480.944	611769.728	653.678	EG1
212	151503.779	611758.45	654.82	AXL3
213	151500.434	611752.637	655.052	AXL3
214	151491.862	611757.317	654.85	AXL4
215	151495.084	611763.189	654.664	AXL4
216	151489.858	611762.15	654.527	SQUAD1
217	151489.031	611759.959	654.617	SQUAD1
218	151489.546	611758.953	654.7	SQUAD1
219	151492.933	611756.831	654.81	SQUAD1
220	151498.519	611753.748	654.987	SQUAD1
221	151502.325	611751.858	655.095	SQUAD1
222	151503.678	611752.858	655.093	SQUAD1
223	151504.494	611752.481	655.142	SQUAD1

224	151505.94	611755.071	655.133	SQUAD1
225	151505.314	611755.545	655.075	SQUAD1
226	151505.412	611756.863	655.071	SQUAD1
227	151504.941	611757.627	655.083	SQUAD1
228	151502.032	611759.224	654.898	SQUAD1
229	151497.617	611761.787	654.841	SQUAD1
230	151493.471	611763.937	654.645	SQUAD1
231	151491.461	611764.194	654.669	SQUAD1
232	151406.175	611774.163	653.21	EG1
233	151405.887	611768.931	653.898	EA1
234	151405.242	611762.858	654.341	FL1
235	151402.909	611751.248	654.656	CL1
236	151401.834	611739.662	654.671	FL2
237	151401.157	611733.358	654.531	EA2
238	151399.5	611728.928	654.582	EG2
239	151322.609	611734.889	653.692	EG2
240	151322.974	611739.473	653.296	EA2
241	151321.35	611746.072	653.642	FL2
242	151322.163	611757.465	653.799	CL1
243	151327.795	611768.746	653.134	FL1
244	151331.683	611774.663	652.717	EA1
245	151331.276	611780.341	652.48	EG1
246	151272.209	611784.417	651.529	EG1
247	151272.498	611780.158	651.929	EA1
248	151272.461	611773.813	652.344	FL1
249	151271.916	611761.975	652.657	CL1
250	151270.808	611750.264	652.987	FL2
251	151269.923	611743.787	653.196	EA2
252	151271.412	611739.039	653.045	EG2
253	151192.074	611741.818	651.573	EG2
254	151193.125	611748.83	652.101	EA2
255	151193.239	611757.144	652.123	FL2
256	151194.34	611769.122	651.915	CL1
257	151195.517	611780.685	651.559	FL1
258	151196.382	611786.991	651.25	EA1
259	151196.002	611791.595	650.767	EG1
260	151164.174	611747.642	651.127	EG2
261	151164.019	611753.415	651.715	EA2
262	150935.622	611768.394	647.781	EG2
263	150936.301	611775.671	648.325	EA2
264	150936.196	611781.566	648.513	FL2
265	150935.346	611793.719	648.745	CL1
266	150936.065	611805.398	648.588	FL1
267	150936.566	611811.93	648.636	EA1
268	150936.089	611816.983	648.321	EG1
269	150889.195	611809.453	647.942	GLASS
270	150872.206	611798.292	648.123	GLASS

271	150852.494	611793.93	647.939	GLASS
272	150824.068	611797.747	647.53	GLASS
273	150779.025	611801.334	647.109	GLASS
274	150738.544	611804.96	646.667	GLASS
275	150719.029	611809.719	646.653	GLASS
276	150694.345	611816.609	646.617	GLASS
277	150689.207	611829.062	646.411	GLASS
278	150701.607	611838.768	646.203	GLASS
279	150740.537	611836.274	645.946	GLASS
280	150871.262	611820.442	647.732	GLASS
281	150798.994	611821.425	647.24	GLAS2
282	150771.473	611824.511	646.907	GLAS2
283	150731.592	611828.585	646.633	GLAS2
284	150588.369	611850.782	645.186	EG1
285	150588.855	611845.91	645.461	EA1
286	150588.197	611839.729	645.74	FL1
287	150586.667	611827.851	645.995	CL1
288	150585.382	611815.903	645.676	FL1
289	150584.611	611809.919	645.379	EA1
290	150582.864	611804.684	644.804	EG1
291	150482.688	611850.087	645.357	FL1
292	150482.927	611856.171	645.147	EA1
293	150482.621	611860.756	644.707	EG1
294	150424.832	611860.975	645.094	FL1
295	150425.342	611862.071	644.906	EA1
296	150411.861	611874.898	645	EA1
297	150353.282	611881.36	645.158	EA1
298	150338.822	611870.499	644.985	EA1
299	150345.9	611879.188	644.861	EG3
300	150334.441	611875.522	644.717	EG3
301	150336.227	611864.268	645.253	FL3
302	149947.173	611911.667	644.691	EG3
303	149946.476	611908.094	644.93	EA1
304	149944.933	611902.23	645.071	FL3
305	149943.125	611889.987	645.264	CL1
306	149939.169	611878.474	644.99	FL2
307	149938.107	611872.608	644.748	EA2
308	149937.365	611869.076	644.579	EG2
309	149823.431	611914.885	645.376	AXL5
310	149824.121	611921.628	645.148	AXL5
311	149814.7	611922.781	645.22	AXL6
312	149814.028	611916.173	645.415	AXL6
313	149813.984	611916.174	645.373	AXL6
314	149810.527	611919.903	645.395	SQUAD2
315	149827.564	611917.972	645.318	SQUAD2
316	149616.171	611898.079	644.105	EG2
317	149614.936	611902.877	644.579	EA2

318	149615.553	611908.695	644.87	FL2
319	149616.646	611920.718	645.222	CL1
320	149617.679	611932.658	645.373	FL3
321	149618.43	611938.859	645.413	EA1
322	149618.906	611943.333	644.974	EG3
323	151351.618	611761.046	653.456	ACC
324	151336.669	611762.176	653.437	ACC
3	151392.953	611803.806	659.21	BS
401	150780.672	611880.231	657.673	CAM-SOUTH
402	150781.045	611876.163	657.776	CAM-NOR
403	150784.015	611878.688	657.902	SHOP
404	150740.031	611882.585	656.813	SHOP
405	150744.376	611923.785	656.46	SHOP
406	150596.838	611907.831	654.426	SHOP2
407	150532.426	611913.925	654.996	SHOP2
408	150535.183	611944.996	654.534	SHOP2
409	149876.104	611924.197	643.017	SIGN10
410	149876.845	611927.851	642.54	SIGN10
411	149830.559	611913.747	645.288	RUMBLE
412	149831.436	611913.673	645.285	RUMBLE
413	149833.113	611913.533	645.269	RUMBLE
414	149835.051	611913.432	645.285	RUMBLE
415	149836.936	611913.265	645.276	RUMBLE
416	149838.756	611913.095	645.294	RUMBLE
417	149840.777	611912.887	645.254	RUMBLE
418	149842.556	611912.637	645.267	RUMBLE
419	149844.458	611912.497	645.288	RUMBLE
420	149846.358	611912.376	645.267	RUMBLE
421	149848.233	611912.157	645.206	RUMBLE
422	149850.042	611911.974	645.213	RUMBLE
423	149851.851	611911.788	645.241	RUMBLE
424	149853.745	611911.592	645.247	RUMBLE
425	149855.641	611911.444	645.212	RUMBLE
426	149857.542	611911.319	645.2	RUMBLE
427	149859.21	611911.088	645.18	RUMBLE
428	149861.062	611910.945	645.203	RUMBLE
429	149862.884	611910.713	645.159	RUMBLE
430	149865.106	611910.576	645.2	RUMBLE
431	149866.916	611910.453	645.214	RUMBLE
432	149868.63	611910.3	645.193	RUMBLE
433	149870.449	611910.063	645.17	RUMBLE
434	149872.347	611909.858	645.154	RUMBLE
435	149874.236	611909.755	645.16	RUMBLE
436	150005.696	611857.57	642.392	SIGN11
437	150040.158	611935.133	652.073	PPOLE10
438	150287.897	611909.931	652.174	PPOLE11
439	150349.457	611885.557	646.685	SIGN15

440	150181.156	611867.998	645.3	CL20
441	150194.741	611866.633	645.387	CL20
442	150219.552	611863.772	645.426	CL21
443	150243.961	611861.609	645.451	CL21
444	150279.776	611857.989	645.451	CL22
445	150293.006	611856.67	645.464	CL22
446	150316.011	611854.17	645.455	CL23
447	150328.527	611852.986	645.47	CL23
448	150365.069	611849.304	645.43	CL24
449	150378.215	611848.102	645.419	CL24
450	150415.122	611844.03	645.452	CL25
451	150428.062	611842.834	645.464	CL25
452	150417.924	611876.621	643.514	STOP
453	150311.844	611829.984	643.852	NO-PASS
454	150576.873	611863.625	644.027	HIST-MRKR
455	150892.969	611824.315	646.223	CULV
456	150898.529	611770.755	647.287	SIGN30
457	150898.71	611767.395	646.543	SIGN30
458	151194.101	611747.477	651.993	GUARD-FACE
459	151196.067	611782.057	651.54	RUMBLE10
460	151152.328	611785.942	651.079	RUMBLE10
461	151139.727	611787.038	650.907	RUMBLE11
462	151095.961	611791.141	650.443	RUMBLE11
463	150576.555	611841.917	645.579	RUMBLE12
464	150532.537	611846.155	645.476	RUMBLE12
465	150520.008	611847.193	645.491	RUMBLE13
466	150476.88	611851.289	645.336	RUMBLE13

SUPPLEMENT REPORT

LOCAL CASE NUMBER: VESO-23-0704

CALL FOR SERVICE: 000251-7121

TECHNICAL CRASH SCENE INVESTIGATOR: Trooper C. Sukis

CASE TYPE: Officer Involved Death



June 16, 2023

- FORWARD -

Crash Reconstruction is a comprehensive subject with many facets and specialty fields. The primary responsibility of the investigation is to document and preserve all available physical evidence. The following reconstruction is limited to the subjects stated herein. The author and the Wisconsin State Patrol reserve the right to conduct a more extensive analysis of the available material on a later date as necessity dictates.

- ***Request for Assistance:***

On June 16th, 2023, around 18:50, I was performing regular traffic enforcement on U.S. 61 near Rolling Ground. I overheard a Vernon County Sheriff's Department Deputy call out "shots fired" via the Vernon County Sheriff's Department radio channel. I began responding to the incident location on State Highway 35 with Trooper Marcus Meurer. Initial response was emergent but once we were notified the scene was secured we slowed our response.

I arrived on scene around 19:33. I spoke with Sheriff Roy Torgerson of the Vernon County Sheriff's Department who was in charge of the scene until members of the Division of Criminal Investigation (DCI) could arrive on scene. Sheriff Torgerson advised DCI was enroute and DCI was requesting the assistance of the Wisconsin State Patrol Technical Reconstruction Unit (TRU). Sergeant Randy Gordon of the Wisconsin State Patrol was the duty supervisor for the southwest region at the time of the incident. I informed him that I had all equipment necessary to map and photograph the incident. DCI was also requesting a 3D scan of the incident, and Trooper Courtney Mueller of the TRU was responding with a scanner. Lastly Vernon County requested the State Patrol write the crash involving the pickup and sheriff's vehicle. Trooper Marcus Meurer would be writing that crash.

- ***Initial Scene Examination:***

After being briefed on the incident, I examined the scene. State Highway 35 was closed and an alternate route had been established. State Highway 35 is a north/south road, and the evidence for the incident was primarily on the northbound lane and east side of the road.

While walking the scene, I located glass in the roadway near Gianoli Road. This was the estimated location of the shooting. I canvased this general area for the bullet casing with Trooper Meurer. We were unable to locate the casing.

- ***Photography:***

I photographed the scene with my assigned Canon Rebel T6i camera. I took 309 digital photographs for this event. This included, but not limited to, the Dodge pickup, two Vernon County Ford Police Utility Vehicles, and other items of evidentiary value.

- ***Forensic Mapping***

A Global Navigational Satellite System (GNSS) Total Station was used to forensically map the roadway, vehicle, identified evidence, and topography. The unit consists of a Trimble R10 GNSS receiver, a graduated pole, and a Trimble TSC3 data collector (electronic memory) as seen in Figure 1 on the following page. The GNSS Total Station connects via portable Wi-Fi to the Wisconsin Continuously Operating Reference Stations (WISCORS) Network and its base stations located throughout the state. By combining the GNSS coordinates with the corrections from the WISCORS, it is possible to achieve measured positions accurate to under an inch. The combined measuring system allows the user to collect accurate three-dimensional data on points of interest. The measurements are stored in the unit's data collector, along with descriptive tags, until they can be downloaded into a computer application for further analysis. Detailed measurements of the scene were collected including, but not limited to; roadway, evidence, vehicle, and other geographical markers.



Summary

The primary objective of this investigation was to collect and preserve perishable scene evidence. All scene data that I collected was turned over to Trooper Courtney Mueller of the Wisconsin State Patrol Technical Reconstruction Unit. This ended my involvement with the incident.

End of Report

Trooper Christopher Sukis

A handwritten signature in black ink, appearing to read 'Chris Sukis', written over a white background.

Technical Crash Scene Investigator
Wisconsin State Patrol
SWR - Tomah Post
(608) 716-1738
ASE Certification - 5818-3720



Wisconsin Division of Criminal Investigation

Investigative 23-4795/37

Report Date: 07/10/2023

Primary Information

Description:	Time-Distance Speed Analysis
Occurrence From:	07/10/2023
Occurrence To:	07/12/2023
Reporting LEO:	Bender, Justin D (Wausau Special Assignments DCI / Wisconsin Division of Criminal Investigation)
Report Status:	Approved
Report Status Date:	07/13/2023
Approved By:	Heiser, Shane T (Wisconsin Division of Criminal Investigation)

Addresses

<u>Relationship</u>	<u>Address</u>
Evidence Located	E428 Gianoli Rd, Genoa, Wisconsin 54632 United States of America
Evidence Located	S4601 State Highway 35, GENOA, Wisconsin 54632 United States of America
Location of Event	State Highway 35, Genoa, WI, Wisconsin United States of America

Subjects

<u>Relationship</u>	<u>Name</u>	<u>Bio</u>	<u>DOB</u>
Deceased	Boardman, William S (Person)	61 yr. old, White, Male	██████████

Narrative begins on the following page.

Wisconsin Division of Criminal Investigation Case Report
Case/Report Number: 23-4795/37

On Friday, June 16, 2023, Wisconsin Department of Justice / Division of Criminal Investigation (WI DOJ/DCI) Special Agents (SA) were requested by the Vernon County Sheriff's Office (VCSO) to investigate an Officer Involved Critical Incident (OICI) which occurred on State Highway 35 north of Gianoli Road in Vernon County, Wisconsin. The suspect, William S. Boardman, was fatally shot during the incident. The WI DOJ/DCI was requested by the VCSO to be the lead investigative agency for the OICI.

On Monday, July 10, 2023, WI DOJ/DCI SA Justin Bender completed a time-distance speed analysis in reference to the OICI. SA Bender is fully accredited by the Accreditation Commission for Traffic Accident Reconstructionists (ACTAR #2705). SA Bender utilized the following information for the speed analysis:

- Trimble R10 Global Navigation Satellite System (GNSS) data collected by SA Bender at the incident scene on Friday, July 7, 2023
- VCSO Deputy Jonathon Brown body worn camera
- VCSO Deputy Bradley Brueggeman body worn camera
- Video surveillance from the Vernon County Highway Department building located at E428 Gianoli Road, Genoa, Wisconsin
- Video surveillance from Dairyland Power Cooperative located at S4601 State Highway 35, Genoa, Wisconsin

Video Evidence Review:

SA Bender reviewed the available video evidence data to obtain specific time intervals in relation to measured locations at the incident scene. All of the video evidence data was independently reviewed by other members of the WI DOJ/DCI and should be referenced for more detailed information. The following lists the information obtained from the video evidence data:

Deputy Brown Body Worn Camera:

(Reference narrative report 23-4795/26 by WI DOJ/DCI SA Mary VanSchoyck)

- T23:46:36Z = Suspect vehicle fled from the traffic stop location
- T23:46:58Z = Deputy Brown discharged his firearm
- T23:47:11Z = Shots fired called by Deputy Brown
- T23:47:31Z = Suspect vehicle rear-ends Deputy Brueggeman's squad

*In review of Deputy Brown's body worn camera, approximately **22 seconds** (58-36) elapsed from the time the suspect fled to the time Deputy Brown discharged his firearm.*

Wisconsin Division of Criminal Investigation Case Report
Case/Report Number: 23-4795/37

Deputy Brueggeman Body Worn Camera:

(Reference narrative report 23-4795/16 by WI DOJ/DCI SA Brian Trowbridge)

- T23:46:33Z = Suspect vehicle fled from the traffic stop location
- T23:47:08Z = Shots fired called by Deputy Brown
- T23:47:28Z = Squad rear-ended by suspect vehicle

In review of Deputy Brueggeman's body worn camera, the time frames were consistent with Deputy Brown's body worn camera. The time stamp on Deputy Brueggeman's body worn camera appeared to be approximately three seconds ahead of Deputy Brown's body worn camera.

Vernon County Highway Department Camera Channel 1 (south facing camera):

(Reference narrative report 23-4795/30 by WI DOJ/DCI SA Wade Beardsley)

- 18:46:32 = Suspect vehicle fled from the traffic stop location
- 18:46:47 = Suspect vehicle's front by the end of east fog line
- 18:46:51 = Suspect vehicle's front by a historical marker sign
- 18:46:54 = Glass visible coming from suspect vehicle's passenger side window by the Vernon County Highway Department building from Deputy Brown discharging firearm

In review of the Vernon County Highway Department's south facing camera, approximately 22 seconds (54-32) elapsed from the time the suspect fled to the time Deputy Brown discharged his firearm.

Vernon County Highway Department Camera Channel 2 (north facing camera):

(Reference narrative report 23-4795/30 by SA Beardsley)

- 18:46:53 = Suspect vehicle comes into the camera view
- 18:46:54 = Glass visible coming from suspect vehicle's passenger side window by the Vernon County Highway Department building from Deputy Brown discharging firearm.

In review of the Vernon County Highway Department's north facing camera, the time frames were consistent with the south facing camera.

Dairyland Power Cooperative Camera:

(Reference narrative report 23-4795/12 by SA Beardsley)

- 8:30 = Suspect vehicle fled from the traffic stop location
- 8:52 = Suspect vehicle by the Vernon County Highway Department building

In review of the Dairyland Power Cooperative camera, approximately 22 seconds (52-30) elapsed from the time the suspect fled to where the vehicle can be seen by the Highway Department Building where Deputy Brown discharged his firearm.

Time-Distance Speed Analysis:

Wisconsin Division of Criminal Investigation Case Report
Case/Report Number: 23-4795/37

SA Bender completed the forensic data processing of the GNSS data utilizing Trimble Reveal (3D diagramming and analysis software). SA Bender identified multiple time-distance relationships utilizing the video evidence and forensic mapping data. The starting location of the suspect's vehicle was determined based on Deputy Brown's squad location, Gianoli Road sign, and measured rumble strips on State Highway 35. The suspect fled northbound on State Highway 35 for approximately 22 seconds and traveled approximately 900 feet to the location where Deputy Brown discharged his firearm. SA Bender determined the approximate acceleration, or time rate of change of velocity, of the suspect's vehicle as it sped up from a stop to the position where Deputy Brown discharged his firearm. SA Bender utilized the calculated acceleration rate to determine the ending velocity of the suspect's vehicle. Utilizing a finite iteration of the required inputs, the speed of the suspect's vehicle when Deputy Brown discharged firearm was approximately **53 – 57 MPH**.

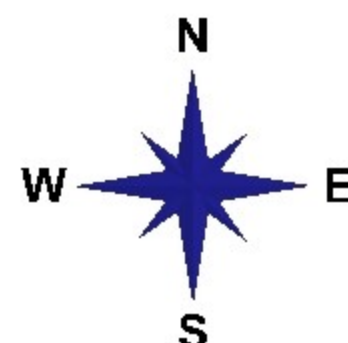
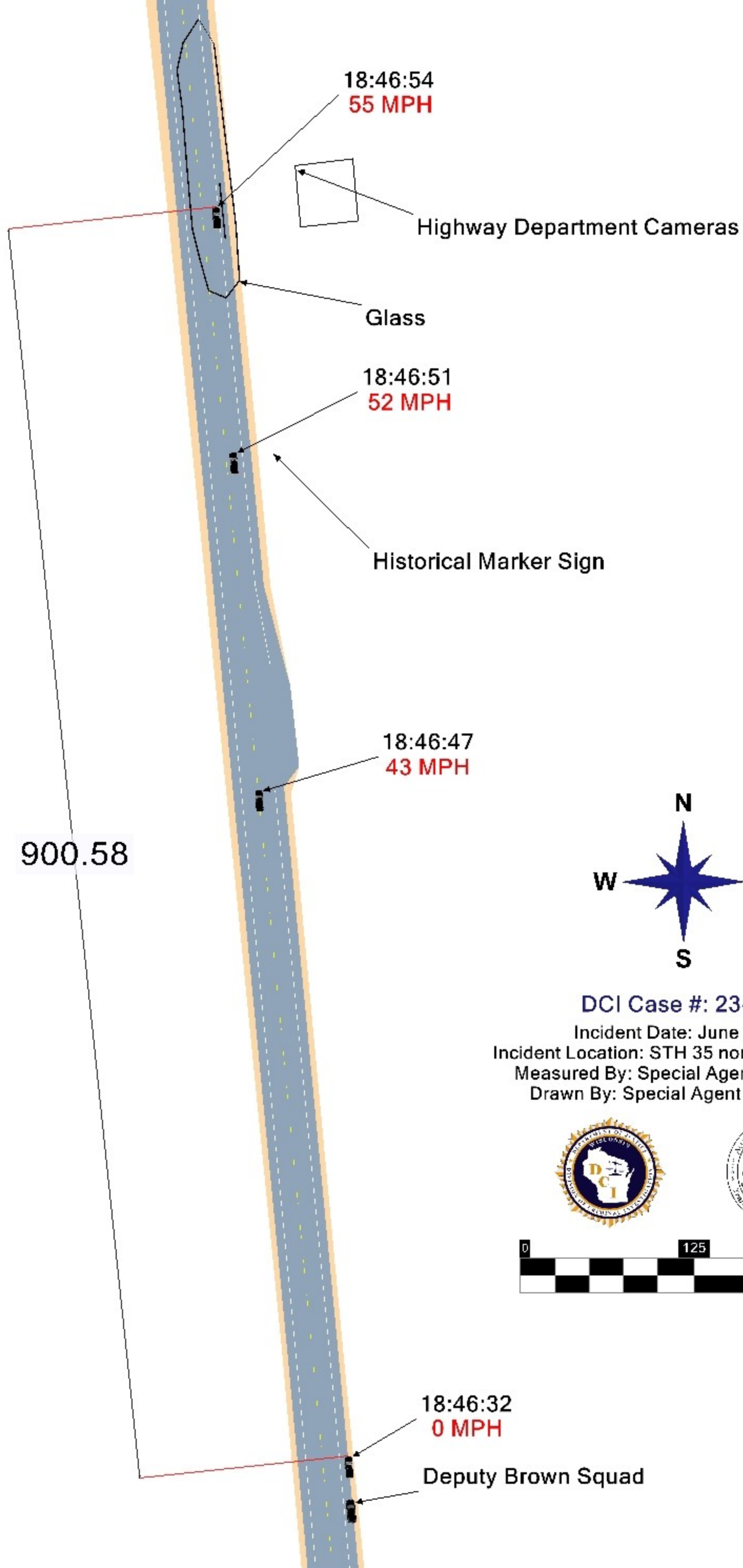
SA Bender completed a time-distance scene diagram utilizing the time stamps from the Vernon County Highway Department Camera Channel 1 (south facing camera). The following lists the identified suspect vehicle locations from the video and forensic mapping data:

- 18:46:32 = Suspect vehicle fled from the traffic stop location
 - o 0 MPH location on diagram (*Suspect vehicle starting location*)
- 18:46:47 = Suspect vehicle's front was by the end of the east fog line
 - o 43 MPH location on diagram (*Approximately 482 feet north of starting location*)
- 18:46:51 = Suspect vehicle's front by a historical marker sign
 - o 52 MPH location on diagram (*Approximately 725 feet north of starting location*)
- 18:46:54 = Glass visible coming from suspect vehicle's passenger side window by the Vernon County Highway Department building from Deputy Brown discharging firearm
 - o 55 MPH location on diagram (*Approximately 900 feet north of starting location*)

All speed estimates and suspect vehicle locations calculated and depicted in the time-distance scene diagram are approximate and based on the available video evidence and forensic mapping data.

DCI Electronic Records:

SA Bender electronically uploaded the acceleration & velocity calculation report, finite iteration of ending velocity table, and time-distance scene diagram to the DCI electronic records repository.



DCI Case #: 23-4795

Incident Date: June 16, 2023

Incident Location: STH 35 north of Gianoli Road

Measured By: Special Agent Justin Bender

Drawn By: Special Agent Justin Bender



Collision Dynamics Report

Incident Date: 6/16/2023 Case Number: 23-4795
Incident Location: STH 35 north of Gianoli Road Case Name: Vernon County OICI
Involved Vehicles:
Involved Parties:
Case Comments:

1. Acceleration Calculation - End of East Fog Line

Acceleration / deceleration factor from or to a stop over a unit of time.

$$f = \frac{2d}{gT^2}$$

Input Value(s)	Units	Value
d (distance)	feet	482.000
T (time)	seconds	15.000

Result(s) for f (acceleration / deceleration factor) (g)
0.133

Solution Steps

g = acceleration due to gravity = 32.185 ft/sec²

d = distance = 482.000 feet

T = time = 15.000 seconds

$$f = \frac{2d}{gT^2}$$

$$f = \frac{2 \times 482}{32.185 \times 15^2}$$

$$f = \frac{964}{32.185 \times 225}$$

$$f = \frac{964}{7241.634}$$

$$f = 0.133$$

f = acceleration / deceleration factor = 0.133 g

2. Acceleration Calculation - Historical Marker Sign

Acceleration / deceleration factor from or to a stop over a unit of time.

$$f = \frac{2d}{gT^2}$$

Input Value(s)	Units	Value
d (distance)	feet	725.000
T (time)	seconds	19.000

Result(s) for f (acceleration / deceleration factor) (g)
0.125

Solution Steps

g = acceleration due to gravity = 32.185 ft/sec²

d = distance = 725.000 feet

T = time = 19.000 seconds

$$f = \frac{2d}{gT^2}$$

$$f = \frac{2 \times 725}{32.185 \times 19^2}$$

$$f = \frac{1450}{32.185 \times 361}$$

$$f = \frac{1450}{11618.799}$$

$$f = 0.125$$

f = acceleration / deceleration factor = 0.125 g

3. Acceleration Calculation - Location Deputy Brown Discharged Firearm

Acceleration / deceleration factor from or to a stop over a unit of time.

$$f = \frac{2d}{gT^2}$$

Input Value(s)	Units	Value
d (distance)	feet	900.000
T (time)	seconds	22.000

Result(s) for f (acceleration / deceleration factor) (g)
0.116

Solution Steps

g = acceleration due to gravity = 32.185 ft/sec²

d = distance = 900.000 feet

T = time = 22.000 seconds

$$f = \frac{2d}{gT^2}$$

$$f = \frac{2 \times 900}{32.185 \times 22^2}$$

$$f = \frac{1800}{32.185 \times 484}$$

$$f = \frac{1800}{15577.559}$$

$$f = 0.116$$

f = acceleration / deceleration factor = 0.116 g

4. Velocity Calculation - End of East Fog Line

Velocity of an acceleration/deceleration from or to a stop.

$$V = \sqrt{2fgd}$$

Input Value(s)	Units	Value
f (accel / decel factor)	g	0.133
d (distance)	feet	482.000

Result(s) for V (velocity) (mph)
43.799

Solution Steps
g = acceleration due to gravity = 32.185 ft/sec²
f = accel / decel factor = 0.133 g
d = distance = 482.000 feet

$$V = \sqrt{2fgd}$$

$$V = \sqrt{2 \times 0.133 \times 32.185 \times 482}$$

$$V = \sqrt{0.266 \times 32.185 \times 482}$$

$$V = \sqrt{8.561 \times 482}$$

$$V = \sqrt{4126.508}$$

$$V = 64.238$$

V = velocity = 64.238 ft/sec = 43.799 mph

5. Velocity Calculation - Historical Marker Sign

Velocity of an acceleration/deceleration from or to a stop.

$$V = \sqrt{2fgd}$$

Input Value(s)	Units	Value
f (accel / decel factor)	g	0.125
d (distance)	feet	725.000

Result(s) for V (velocity) (mph)
52.076

Solution Steps

g = acceleration due to gravity = 32.185 ft/sec²

f = accel / decel factor = 0.125 g

d = distance = 725.000 feet

$$V = \sqrt{2fgd}$$

$$V = \sqrt{2 \times 0.125 \times 32.185 \times 725}$$

$$V = \sqrt{0.25 \times 32.185 \times 725}$$

$$V = \sqrt{8.046 \times 725}$$

$$V = \sqrt{5833.538}$$

$$V = 76.378$$

V = velocity = 76.378 ft/sec = 52.076 mph

6. Velocity Calculation - Location Deputy Brown Discharged Firearm

Velocity of an acceleration/deceleration from or to a stop.

$$V = \sqrt{2fgd}$$

Input Value(s)	Units	Value
f (accel / decel factor)	g	0.116
d (distance)	feet	900.000
Result(s) for V (velocity) (mph)		
55.894		

Solution Steps

g = acceleration due to gravity = 32.185 ft/sec²

f = accel / decel factor = 0.116 g

d = distance = 900.000 feet

$$V = \sqrt{2fgd}$$

$$V = \sqrt{2 \times 0.116 \times 32.185 \times 900}$$

$$V = \sqrt{0.232 \times 32.185 \times 900}$$

$$V = \sqrt{7.467 \times 900}$$

$$V = \sqrt{6720.236}$$

$$V = 81.977$$

V = velocity = 81.977 ft/sec = 55.894 mph

Time Distance - Acceleration

Output

Acceleration

Factor

1154

Acceleration (fa):

.1154

Inputs: (2 of 4)

Distance

ft

900

Decrease by 1

Time

seconds

22

Rate:

2.5335 M/H/s

Rate:

3.7158 f/s/s

Distance (Event):

900 ft

Distance (0-->S2):

900.0001 ft

Time (Event):

22 seconds

Time (0-->S2):

22.0092 seconds

Speed (Initial)

M/H

0

Speed (Initial):

.0234 M/H

Speed (Initial):

.0344 f/s

Speed (Final)

M/H

Speed (Final):

55.7616 M/H

Speed (Final):

81.7837 f/s

Iteration/FD Menu

FD

I - Var

Minimum

Maximum

Interval

fa/Rate

.1096

.1211

.0011

Distance

855

945

9

Time

20.9

23.1

22

Speed (I)

.0222

.0246

.0002

Speed (F)

0

0

0

Solve for:

Initial Speed [K: D and S2]

Final Speed [K: D and S1]

Dist + Time [K: S1 and S2]

Clear Table

Range (+/-)

Interval

AutoFill

5

1

Send to Doc

Iteration Tables

Finite Differences

Cancel

Tables and Graphics

Iteration / FDA Menu

Graphics

N

Formulae

Formulae*

Open .TDA File

Save .TDA File

Time Distance (Acceleration) Tables

Finite Difference Analysis

		Speed (F)		55.7616 M/H		Uncertainty (+/-) = 1.9691 M/H	
		Value	Speed (F)	Difference	Difference^2	Average	
High:	Friction (Mu)	.1154	57.1221	1.3605	1.8510		
Low:	Friction (Mu)	.1096	54.3423	-1.4193	2.0145	1.9328	
High:	Distance	900	57.1387	1.3770	1.8962		
Low:	Distance	900	54.3497	-1.4119	1.9935	1.9448	
High:	Time	22	55.7616	.0000	.0000	.0000	
Low:	Time	22	55.7616	.0000	.0000	.0000	
High:	Speed (I)	0	55.7616	.0000	.0000	.0000	
Low:	Speed (I)	0	55.7616	.0000	.0000	.0000	
High:	Speed (F)	0	55.7616	.0000	.0000	.0000	
Low:	Speed (F)	0	55.7616	.0000	.0000	.0000	
		Sum:		3.8776			
		Square Root:		1.9691			

Auto~Cycler

Return

Previous Page

Next Page

Page 1 of 1

Wisconsin Division of Criminal Investigation

Examination of Records 23-4795/38

Report Date: 07/12/2023

Primary Information

Description: Receipt of WSP-TRU Report, Mapping Files, Scene Photos
Occurrence From: 07/12/2023
Occurrence To: 07/12/2023
Reporting LEO: Bender, Justin D (Wausau Special Assignments DCI / Wisconsin Division of Criminal Investigation)
Report Status: Approved
Report Status Date: 07/13/2023
Approved By: Heiser, Shane T (Wisconsin Division of Criminal Investigation)

Addresses

Relationship Address
Location of Event State Highway 35, Genoa, WI, Wisconsin United States of America

Subjects

Relationship	Name	Bio	DOB
Deceased	Boardman, William S (Person)	61 yr. old, White, Male	

Documents

Document
TRU Letter to Assisting Department
Mueller 000251-7121 Supplement Report

Narrative begins on the following page.

Wisconsin Division of Criminal Investigation Case Report
Case/Report Number: 23-4795/38

On Friday, June 16, 2023, Wisconsin Department of Justice / Division of Criminal Investigation (WI DOJ/DCI) Special Agents (SA) were requested by the Vernon County Sheriff's Office (VCSO) to investigate an Officer Involved Critical Incident (OICI) which occurred on State Highway 35 north of Gianoli Road in Vernon County, Wisconsin. The suspect, William S. Boardman, was fatally shot during the incident. The WI DOJ/DCI was requested by the VCSO to be the lead investigative agency for the OICI.

On Wednesday, July 12, 2023, WI DOJ/DCI SA Justin Bender received an e-mail from Wisconsin State Patrol (WSP) Technical Reconstruction Unit (TRU) Trooper Courtney Mueller regarding data files in reference to the OICI. The data SA Bender received consisted of three forensic mapping files (.csv file, .doc file, and .job file), 309 digital scene photographs, supplemental report completed by Trooper Mueller, eighteen (18) .jpg diagrams, and a TRU Letter to Assisting Department. It should be noted that WI DOJ/DCI SA Michael Haverley had previously received the eighteen (18) .jpg diagrams which were referenced in narrative report 23-4795/24.

DCI Electronic Records:

SA Bender electronically uploaded the forensic mapping data and digital scene photographs SA Bender received from Trooper Mueller to the DCI electronic records repository.

DCI Report Attachments:

SA Bender electronically attached the supplemental report completed by Trooper Mueller and TRU Letter to Assisting Department as attachments to this narrative report.



Wisconsin State Traffic Operations Center

433 W. St. Paul Ave.
Milwaukee, WI 53203
Phone: (414) 227-2126

July 12th, 2023

Re: Crash Reconstruction Case Number 000251-7121
Highway 35 South of Hwy 56
Genoa, WI
June 16, 2023

Vernon County Sheriff's Department
1320 Bad Axe Ct
Viroqua, WI 54665

Below is a link to Box.com where you will find my narrative report, a scaled scene diagram, and scene photographs of the scene.



If you have any questions, please contact me at the number or email below.

Sincerely,

Trooper Courtney Mueller
Crash Reconstruction Specialist-Technical Reconstruction Unit
Courtneyj.mueller@dot.wi.gov
608-716-1706

IA New Alb	127936.2	595364.2	671.289	
1	151392.9	611803.7	659.272	CP1
2	151127.6	611829.7	657.986	CP2
100	151117.4	611798.2	650.2	TM1 tm1
101	151132.3	611797.5	650.177	TM1 tm1
102	151145.1	611797.2	650.044	TM1 tm1
103	151157.8	611796.8	650.046	TM1 tm1
104	151170.3	611796.2	649.949	TM1 tm1
105	151179.5	611795.8	649.969	TM1 tm1
106	151189.1	611795.5	649.933	TM1 tm1
107	151199.1	611795	649.847	TM1 tm1
108	151207.5	611794.4	649.838	TM1 tm1
109	151217.8	611793.6	649.907	TM1 tm1
110	151227.1	611793.1	649.75	TM1 tm1
111	151235	611792.6	649.912	TM1 tm1
112	151242	611791.6	650.064	TM1 tm1
113	151248.2	611791.1	650.005	TM1 tm1
114	151254.8	611790.8	649.962	TM1 tm1
115	151261.5	611790.4	650.069	TM1 tm1
116	151268.4	611789.7	650.25	TM1 tm1
117	151276.3	611788.9	650.304	TM1 tm1
118	151283.6	611788.5	650.753	TM1 tm1
119	151291.5	611787.9	651.514	TM1 tm1
120	151298.2	611786.8	652.155	TM1 tm1
121	151302.4	611786.2	652.339	TM1 tm1
122	151306.8	611785.2	652.329	TM1 tm1
123	151313.5	611783.7	652.263	TM1 tm1
124	151388.8	611774.4	653.046	TM2 tm1
125	151401.2	611774.3	653.011	TM2 tm1
126	151407.4	611774.4	652.889	TM2 tm1
127	151416	611774.5	652.726	TM2 tm1
128	151428	611774.5	653.015	TM2 tm1
129	151442.4	611773.4	653.129	TM2 tm1
130	151453.9	611772.7	653.182	TM2 tm1
131	151467.1	611772	653.162	TM2 tm1
132	151480.2	611771.2	653.295	TM2 tm1
133	151491.4	611771	653.49	TM2 tm1
134	151510.1	611770.3	653.888	TM2 tm1
135	151526	611769.5	654.023	TM2 tm1
136	151542.3	611768.8	654.213	TM2 tm1
137	151560.6	611768.4	654.229	TM2 tm1
138	151576.1	611768.1	654.486	TM2 tm1
139	151590.7	611768.9	654.245	TM2 tm1
140	151603.9	611768.9	654.261	TM2 tm1
141	151614.2	611768.5	654.453	TM2 tm1
142	151630.9	611768.4	654.597	TM2 tm1
143	151639.1	611768.5	654.661	TM2 tm1

144	151645.4	611768	654.885 TM2	tm1
145	151648.1	611767.4	655.07 TM2	tm1
146	151661.5	611761.3	656.281 AXL1	PICKUP
147	151661.5	611767.8	655.297 AXL1	PICKUP
148	151652.3	611768.4	655.097 AXL2	PICKUP
149	151652	611761.8	656.078 AXL2	PICKUP
150	151656.3	611759.7	656.248 BODY	PICKUP
151	151650.4	611758.7	656.149 BODY	PICKUP
152	151648	611765	655.72 TRUCK	PICKUP
153	151647.8	611763.3	655.84 TRUCK	PICKUP
154	151648.1	611762.7	655.85 TRUCK	PICKUP
155	151650.7	611762.1	655.937 TRUCK	PICKUP
156	151654.3	611762.1	656.041 TRUCK	PICKUP
157	151659.2	611761.7	656.166 TRUCK	PICKUP
158	151662.8	611761.6	656.167 TRUCK	PICKUP
159	151663.7	611761.9	656.166 TRUCK	PICKUP
160	151664.1	611762.7	656.114 TRUCK	PICKUP
161	151664.3	611764.5	655.979 TRUCK	PICKUP
162	151664.1	611766.8	655.487 TRUCK	PICKUP
163	151663.6	611767.5	655.339 TRUCK	PICKUP
164	151660.3	611767.9	655.236 TRUCK	PICKUP
165	151655.1	611768.2	655.074 TRUCK	PICKUP
166	151649.8	611768.5	655 TRUCK	PICKUP
167	151648.2	611768.1	655.071 TRUCK	PICKUP
168	151647.9	611767	655.317 TRUCK	PICKUP
169	151648	611765.5	655.755 TRUCK	PICKUP
170	151773.9	611770	656.511 EG1	
171	151774.3	611765.1	657.155 EA1	
172	151774.2	611758.9	657.464 FL1	
173	151773.5	611747.1	657.861 CL1	
174	151773.4	611735.3	658.192 FL2	
175	151772.8	611728.9	658.262 EA2	
176	151773.9	611722.5	657.577 EG2	
177	151718.2	611721.6	657.137 EG2	
178	151717.6	611727.1	657.776 EA2	
179	151717.1	611733.6	657.61 FL2	
180	151716.6	611745.3	657.328 CL1	
181	151716.3	611757.1	656.952 FL1	
182	151716.1	611763.2	656.641 EA1	
183	151715.6	611768.5	655.637 EG1	
184	151668	611766.7	655.315 EG1	
185	151667.9	611762.1	656.167 EA1	
186	151667.7	611756	656.394 FL1	
187	151667.6	611744.1	656.932 CL1	
188	151666.9	611732.4	657.203 FL2	
189	151666.9	611726.2	657.395 EA2	
190	151666.5	611720.8	656.765 EG2	

191	151618.7	611721	656.435	EG2	
192	151616	611726	656.698	EA2	
193	151616.8	611732.5	656.621	FL2	
194	151616.8	611744.3	656.272	CL1	
195	151617.5	611756.1	655.852	FL1	
196	151617.4	611762.2	655.564	EA1	
197	151617.6	611766.3	654.931	EG1	
198	151556.4	611767	654.468	EG1	
199	151556.4	611763.2	655.062	EA1	
200	151556.2	611757	655.392	FL1	
201	151555.3	611745	655.872	CL1	
202	151554.2	611733.5	656.218	FL2	
203	151553.3	611727.1	656.384	EA2	
204	151552.4	611722.1	655.744	EG2	
205	151483.3	611723.9	655.18	EG2	
206	151482.4	611729.2	655.641	EA2	
207	151480.5	611735.6	655.478	FL2	
208	151480.6	611747.2	655.161	CL1	
209	151480.9	611759.1	654.748	FL1	
210	151480.7	611765.3	654.415	EA1	
211	151480.9	611769.7	653.678	EG1	
212	151503.8	611758.5	654.82	AXL3	SQUAD
213	151500.4	611752.6	655.052	AXL3	SQUAD
214	151491.9	611757.3	654.85	AXL4	SQUAD
215	151495.1	611763.2	654.664	AXL4	SQUAD
216	151489.9	611762.2	654.527	SQUAD1	
217	151489	611760	654.617	SQUAD1	
218	151489.5	611759	654.7	SQUAD1	
219	151492.9	611756.8	654.81	SQUAD1	
220	151498.5	611753.7	654.987	SQUAD1	
221	151502.3	611751.9	655.095	SQUAD1	
222	151503.7	611752.9	655.093	SQUAD1	
223	151504.5	611752.5	655.142	SQUAD1	
224	151505.9	611755.1	655.133	SQUAD1	
225	151505.3	611755.5	655.075	SQUAD1	
226	151505.4	611756.9	655.071	SQUAD1	
227	151504.9	611757.6	655.083	SQUAD1	
228	151502	611759.2	654.898	SQUAD1	
229	151497.6	611761.8	654.841	SQUAD1	
230	151493.5	611763.9	654.645	SQUAD1	
231	151491.5	611764.2	654.669	SQUAD1	
232	151406.2	611774.2	653.21	EG1	
233	151405.9	611768.9	653.898	EA1	
234	151405.2	611762.9	654.341	FL1	
235	151402.9	611751.2	654.656	CL1	
236	151401.8	611739.7	654.671	FL2	
237	151401.2	611733.4	654.531	EA2	

238	151399.5	611728.9	654.582	EG2	
239	151322.6	611734.9	653.692	EG2	
240	151323	611739.5	653.296	EA2	
241	151321.4	611746.1	653.642	FL2	
242	151322.2	611757.5	653.799	CL1	
243	151327.8	611768.7	653.134	FL1	
244	151331.7	611774.7	652.717	EA1	
245	151331.3	611780.3	652.48	EG1	
246	151272.2	611784.4	651.529	EG1	
247	151272.5	611780.2	651.929	EA1	
248	151272.5	611773.8	652.344	FL1	
249	151271.9	611762	652.657	CL1	
250	151270.8	611750.3	652.987	FL2	
251	151269.9	611743.8	653.196	EA2	
252	151271.4	611739	653.045	EG2	
253	151192.1	611741.8	651.573	EG2	
254	151193.1	611748.8	652.101	EA2	
255	151193.2	611757.1	652.123	FL2	
256	151194.3	611769.1	651.915	CL1	
257	151195.5	611780.7	651.559	FL1	
258	151196.4	611787	651.25	EA1	
259	151196	611791.6	650.767	EG1	
260	151164.2	611747.6	651.127	EG2	
261	151164	611753.4	651.715	EA2	
262	150935.6	611768.4	647.781	EG2	
263	150936.3	611775.7	648.325	EA2	
264	150936.2	611781.6	648.513	FL2	
265	150935.3	611793.7	648.745	CL1	
266	150936.1	611805.4	648.588	FL1	
267	150936.6	611811.9	648.636	EA1	
268	150936.1	611817	648.321	EG1	
269	150889.2	611809.5	647.942	GLASS	
270	150872.2	611798.3	648.123	GLASS	
271	150852.5	611793.9	647.939	GLASS	
272	150824.1	611797.7	647.53	GLASS	
273	150779	611801.3	647.109	GLASS	
274	150738.5	611805	646.667	GLASS	
275	150719	611809.7	646.653	GLASS	
276	150694.3	611816.6	646.617	GLASS	
277	150689.2	611829.1	646.411	GLASS	
278	150701.6	611838.8	646.203	GLASS	
279	150740.5	611836.3	645.946	GLASS	
280	150871.3	611820.4	647.732	GLASS	
281	150799	611821.4	647.24	GLAS2	SQUAD
282	150771.5	611824.5	646.907	GLAS2	
283	150731.6	611828.6	646.633	GLAS2	
284	150588.4	611850.8	645.186	EG1	

285	150588.9	611845.9	645.461	EA1	
286	150588.2	611839.7	645.74	FL1	
287	150586.7	611827.9	645.995	CL1	
288	150585.4	611815.9	645.676	FL1	
289	150584.6	611809.9	645.379	EA1	
290	150582.9	611804.7	644.804	EG1	
291	150482.7	611850.1	645.357	FL1	
292	150482.9	611856.2	645.147	EA1	
293	150482.6	611860.8	644.707	EG1	
294	150424.8	611861	645.094	FL1	
295	150425.3	611862.1	644.906	EA1	
296	150411.9	611874.9	645	EA1	
297	150353.3	611881.4	645.158	EA1	
298	150338.8	611870.5	644.985	EA1	
299	150345.9	611879.2	644.861	EG3	
300	150334.4	611875.5	644.717	EG3	
301	150336.2	611864.3	645.253	FL3	
302	149947.2	611911.7	644.691	EG3	
303	149946.5	611908.1	644.93	EA1	
304	149944.9	611902.2	645.071	FL3	
305	149943.1	611890	645.264	CL1	
306	149939.2	611878.5	644.99	FL2	
307	149938.1	611872.6	644.748	EA2	
308	149937.4	611869.1	644.579	EG2	
309	149823.4	611914.9	645.376	AXL5	SQUAD
310	149824.1	611921.6	645.148	AXL5	SQUAD
311	149814.7	611922.8	645.22	AXL6	SQUAD
312	149814	611916.2	645.415	AXL6	SQUAD
313	149814	611916.2	645.373	AXL6	SQUAD
314	149810.5	611919.9	645.395	SQUAD2	
315	149827.6	611918	645.318	SQUAD2	
316	149616.2	611898.1	644.105	EG2	
317	149614.9	611902.9	644.579	EA2	
318	149615.6	611908.7	644.87	FL2	
319	149616.6	611920.7	645.222	CL1	
320	149617.7	611932.7	645.373	FL3	
321	149618.4	611938.9	645.413	EA1	
322	149618.9	611943.3	644.974	EG3	
323	151351.6	611761	653.456	ACC	ACC
324	151336.7	611762.2	653.437	ACC	ACC
3	151393	611803.8	659.21	BS	BK ST

Job name	000251-7121
Creation date	16 Jun 2023
Version	Trimble General Survey 3.00
Distance Units	US survey feet
Angle units	Degrees
Pressure Units	inHg
Temperature Units	Fahrenheit

Coordinate system (Job)	
System	United States/Counties/WCCS
Zone	Vernon
Datum	WCCS Vernon
Projection	
Projection	Lambert Conformal Conic 2 Parallel
Origin lat	43°08'50.00000"N
Origin long	90°47'00.00000"W
False northing	0.000
False easting	730000.000
Parallel 1	43°41'00.00000"N
Parallel 2	43°28'00.00000"N
South azimuth (grid)	No
Grid coords	Increase North-East
Ellipsoid	Semi-major axis: 20926496.667 Flattening: 298.26993872

Local site	
Type	Grid
Datum transformation	
Type	Three parameter
Semi-major axis	20925604.474
Flattening	298.257223
Translation X	0.000

Translation Y	0.000
Translation Z	0.000
Vertical adjustment	
Geoid file	G12A-WI

Collected Field Data (ECEF deltas: APC to APC)

Corrections	
South azimuth (grid)	No
Grid coords	Increase North-East
Magnetic declination	0°00'00"
Distances	Ground
Neighborhood adjustment	Off

Projection	
Projection	Lambert Conformal Conic 2 Parallel
Origin lat	43°09'05.00000"N
Origin long	90°00'00.00000"W
False northing	0.000
False easting	684000.000
Parallel 1	44°32'40.00000"N
Parallel 2	44°10'50.00000"N
Ellipsoid	Semi-major axis: 20926590.860 Flattening: 298.27128127

Local site	
Type	Grid
Datum transformation	
Type	Three parameter
Semi-major axis	20925604.474
Flattening	298.257223

Translation X	0.000
Translation Y	0.000
Translation Z	0.000

Vertical adjustment

Geoid file	G12A-WI
-------------------	---------

Coordinate system

System	United States/Counties/WCCS
Zone	Wood
Datum	WCCS Wood

Projection

Projection	Transverse Mercator
Origin lat	43°22'00.00000"N
Origin long	90°00'00.00000"W
False northing	0.000
False easting	483000.000
Scale	0.99999900
Ellipsoid	Semi-major axis: 20926389.482 Flattening: 298.26841100

Local site

Type	Grid
-------------	------

Coordinate system

System	United States/Counties/WCCS
Zone	Adams
Datum	WCCS Adams

Feature library

Library name	DSP Code List
Library File Name	DSP Code List.ddf
Attribute Support	No

Note	Converted from GS v2.90 to GS v3.00
Projection	
Projection	Lambert Conformal Conic 2 Parallel
Origin lat	43°08'50.00000"N
Origin long	90°47'00.00000"W
False northing	0.000
False easting	730000.000
Parallel 1	43°41'00.00000"N
Parallel 2	43°28'00.00000"N
Ellipsoid	Semi-major axis: 20926496.667 Flattening: 298.26993872

Local site	
Type	Grid
Coordinate system	
System	United States/Counties/WCCS
Zone	Vernon
Datum	WCCS Vernon

Rover options									
Elevation mask	10	PDOP mask	6						

Rover options									
Elevation mask	10	PDOP mask	6						

Survey event	
Survey event	Rover started

Point	IA New Albin	Latitude	43°29'49.45247"N	Longitude	91°17'26.49741"W	Height	568.464	Code	
--------------	-----------------	-----------------	------------------	------------------	------------------	---------------	---------	-------------	--

GNSS receiver	
Receiver type	Unknown

Serial number	
Firmware version	0
Antenna type	AdV Null Antenna
Measurement method	Antenna Phase Center
Tape adjustment	0.000
Horizontal offset	0.000
Vertical offset	0.000

Base point

Point	IA New Albin	Antenna height	0.000	Type	Corrected				
--------------	--------------	-----------------------	-------	-------------	-----------	--	--	--	--

Initialization event: RTK initialized

GPS week	2266	Seconds	529245	Initialization type	On the fly	Survey type	Real-time		
-----------------	------	----------------	--------	----------------------------	------------	--------------------	-----------	--	--

Tilt calibration status

Event	Start survey	Calibration expires in	4d 17h	Calibration age limit	30d 0h	Sensor calibration status	Tilt calibrated OK
--------------	--------------	-------------------------------	--------	------------------------------	--------	----------------------------------	--------------------

GNSS receiver

Receiver type	R10
Serial number	5521499772
Firmware version	5.22
Antenna type	R10 Internal
Measurement method	Bottom of quick release
Tape adjustment	0.000
Horizontal offset	0.000
Vertical offset	0.653

Point	1	ΔX	16657.239	ΔY	15861.760	ΔZ	17070.170	Code	CP1
--------------	---	------------------------------	-----------	------------------------------	-----------	------------------------------	-----------	-------------	-----

		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.023	Hz Prec	0.037	Vt Prec	0.067
QC 1		PDOP	2.4	GDOP	3.3	HDOP	1.1	VDOP	2.2
		Base data age	3	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000066	VCV xy (m²)	0.000088	VCV xz (m²)	-0.000064		
				VCV yy (m²)	0.000285	VCV yz (m²)	-0.000173		
						VCV zz (m²)	0.000194		

Point	2	ΔX	16680.747	ΔY	15679.422	ΔZ	16877.147	Code	CP2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.018	Hz Prec	0.036	Vt Prec	0.062
QC 1		PDOP	1.9	GDOP	2.6	HDOP	1.0	VDOP	1.7
		Base data age	3	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000062	VCV xy (m²)	0.000072	VCV xz (m²)	-0.000056		
				VCV yy (m²)	0.000233	VCV yz (m²)	-0.000143		
						VCV zz (m²)	0.000182		

Point	100	ΔX	16649.266	ΔY	15678.598	ΔZ	16864.274	Code	TM1
		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.012	Hz Prec	0.029	Vt Prec	0.045
QC 1		PDOP	1.7	GDOP	2.2	HDOP	0.9	VDOP	1.5

		Base data age	1	Satellites	14	Positions used	3		
QC 2		VCV xx (m²)	0.000027	VCV xy (m²)	0.000021	VCV xz (m²)	-0.000020		
				VCV yy (m²)	0.000123	VCV yz (m²)	-0.000069		
						VCV zz (m²)	0.000114		
Point	101	ΔX	16648.737	ΔY	15688.875	ΔZ	16875.033	Code	TM1
		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.004	Hz Prec	0.028	Vt Prec	0.044
QC 1		PDOP	1.7	GDOP	2.2	HDOP	0.9	VDOP	1.5
		Base data age	1	Satellites	14	Positions used	3		
QC 2		VCV xx (m²)	0.000027	VCV xy (m²)	0.000020	VCV xz (m²)	-0.000020		
				VCV yy (m²)	0.000119	VCV yz (m²)	-0.000067		
						VCV zz (m²)	0.000111		
Point	102	ΔX	16648.606	ΔY	15697.803	ΔZ	16884.223	Code	TM1
		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.025	Hz Prec	0.030	Vt Prec	0.047
QC 1		PDOP	1.7	GDOP	2.2	HDOP	0.9	VDOP	1.5
		Base data age	1	Satellites	14	Positions used	3		
QC 2		VCV xx (m²)	0.000030	VCV xy (m²)	0.000023	VCV xz (m²)	-0.000022		

				VCV yy (m²)	0.000134	VCV yz (m²)	-0.000075		
						VCV zz (m²)	0.000125		
Point	103	ΔX	16648.296	ΔY	15706.560	ΔZ	16893.425	Code	TM1
		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.028	Hz Prec	0.028	Vt Prec	0.044
QC 1		PDOP	1.7	GDOP	2.2	HDOP	0.9	VDOP	1.5
		Base data age	1	Satellites	14	Positions used	3		
QC 2		VCV xx (m²)	0.000026	VCV xy (m²)	0.000020	VCV xz (m²)	-0.000019		
				VCV yy (m²)	0.000117	VCV yz (m²)	-0.000065		
						VCV zz (m²)	0.000110		
Point	104	ΔX	16647.805	ΔY	15715.238	ΔZ	16902.396	Code	TM1
		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.019	Hz Prec	0.029	Vt Prec	0.046
QC 1		PDOP	1.7	GDOP	2.2	HDOP	0.9	VDOP	1.5
		Base data age	1	Satellites	14	Positions used	3		
QC 2		VCV xx (m²)	0.000029	VCV xy (m²)	0.000021	VCV xz (m²)	-0.000021		
				VCV yy (m²)	0.000127	VCV yz (m²)	-0.000071		
						VCV zz (m²)	0.000120		
Point	105	ΔX	16647.507	ΔY	15721.567	ΔZ	16909.071	Code	TM1

		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.020	Hz Prec	0.028	Vt Prec	0.043
QC 1		PDOP	1.7	GDOP	2.2	HDOP	0.9	VDOP	1.5
		Base data age	1	Satellites	14	Positions used	3		
QC 2		VCV xx (m²)	0.000026	VCV xy (m²)	0.000019	VCV xz (m²)	-0.000019		
				VCV yy (m²)	0.000113	VCV yz (m²)	-0.000063		
						VCV zz (m²)	0.000107		
Point	106	ΔX	16647.283	ΔY	15728.206	ΔZ	16915.994	Code	TM1
		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.015	Hz Prec	0.026	Vt Prec	0.040
QC 1		PDOP	1.7	GDOP	2.2	HDOP	0.9	VDOP	1.5
		Base data age	1	Satellites	14	Positions used	3		
QC 2		VCV xx (m²)	0.000022	VCV xy (m²)	0.000016	VCV xz (m²)	-0.000016		
				VCV yy (m²)	0.000095	VCV yz (m²)	-0.000053		
						VCV zz (m²)	0.000090		
Point	107	ΔX	16646.860	ΔY	15735.209	ΔZ	16923.222	Code	TM1
		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		

Antenna height	5.906	Type	Uncorrected	Tilt distance	0.037	Hz Prec	0.029	Vt Prec	0.045
QC 1		PDOP	1.7	GDOP	2.2	HDOP	0.9	VDOP	1.4
		Base data age	3	Satellites	14	Positions used	3		
QC 2		VCV xx (m²)	0.000028	VCV xy (m²)	0.000020	VCV xz (m²)	-0.000020		
				VCV yy (m²)	0.000123	VCV yz (m²)	-0.000069		
						VCV zz (m²)	0.000115		
Point	108	ΔX	16646.354	ΔY	15740.964	ΔZ	16929.247	Code	TM1
		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.019	Hz Prec	0.026	Vt Prec	0.041
QC 1		PDOP	1.8	GDOP	2.4	HDOP	0.9	VDOP	1.6
		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000023	VCV xy (m²)	0.000016	VCV xz (m²)	-0.000017		
				VCV yy (m²)	0.000104	VCV yz (m²)	-0.000057		
						VCV zz (m²)	0.000094		
Point	109	ΔX	16645.633	ΔY	15748.072	ΔZ	16936.804	Code	TM1
		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.021	Hz Prec	0.025	Vt Prec	0.039
QC 1		PDOP	1.8	GDOP	2.4	HDOP	0.9	VDOP	1.6
		Base data age	1	Satellites	14	Positions used	3		

QC 2		VCV xx (m ²)	0.000021	VCV xy (m ²)	0.000015	VCV xz (m ²)	-0.000016		
				VCV yy (m ²)	0.000093	VCV yz (m ²)	-0.000052		
						VCV zz (m ²)	0.000089		
Point	110	ΔX	16645.227	ΔY	15754.615	ΔZ	16943.444	Code	TM1
		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.019	Hz Prec	0.037	Vt Prec	0.057
QC 1		PDOP	1.8	GDOP	2.4	HDOP	0.9	VDOP	1.6
		Base data age	1	Satellites	14	Positions used	3		
QC 2		VCV xx (m ²)	0.000047	VCV xy (m ²)	0.000033	VCV xz (m ²)	-0.000035		
				VCV yy (m ²)	0.000191	VCV yz (m ²)	-0.000109		
						VCV zz (m ²)	0.000192		
Point	111	ΔX	16644.844	ΔY	15759.923	ΔZ	16949.251	Code	TM1
		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.009	Hz Prec	0.025	Vt Prec	0.039
QC 1		PDOP	1.7	GDOP	2.2	HDOP	0.9	VDOP	1.4
		Base data age	1	Satellites	14	Positions used	3		
QC 2		VCV xx (m ²)	0.000021	VCV xy (m ²)	0.000015	VCV xz (m ²)	-0.000016		
				VCV yy (m ²)	0.000090	VCV yz (m ²)	-0.000050		

						VCV zz (m²)	0.000088		
Point	112	ΔX	16643.876	ΔY	15764.644	ΔZ	16954.413	Code	TM1
		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.042	Hz Prec	0.026	Vt Prec	0.040
QC 1		PDOP	1.7	GDOP	2.2	HDOP	0.9	VDOP	1.4
		Base data age	1	Satellites	14	Positions used	3		
QC 2		VCV xx (m²)	0.000022	VCV xy (m²)	0.000015	VCV xz (m²)	-0.000017		
				VCV yy (m²)	0.000096	VCV yz (m²)	-0.000053		
						VCV zz (m²)	0.000092		
Point	113	ΔX	16643.423	ΔY	15768.987	ΔZ	16958.883	Code	TM1
		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.030	Hz Prec	0.025	Vt Prec	0.038
QC 1		PDOP	1.7	GDOP	2.2	HDOP	0.8	VDOP	1.4
		Base data age	1	Satellites	14	Positions used	3		
QC 2		VCV xx (m²)	0.000020	VCV xy (m²)	0.000012	VCV xz (m²)	-0.000014		
				VCV yy (m²)	0.000088	VCV yz (m²)	-0.000048		
						VCV zz (m²)	0.000089		
Point	114	ΔX	16643.200	ΔY	15773.539	ΔZ	16963.601	Code	TM1
		Description 1	tm1	Description 2					

		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.041	Hz Prec	0.026	Vt Prec	0.039
QC 1		PDOP	1.7	GDOP	2.2	HDOP	0.8	VDOP	1.4
		Base data age	1	Satellites	14	Positions used	3		
QC 2		VCV xx (m²)	0.000021	VCV xy (m²)	0.000014	VCV xz (m²)	-0.000016		
				VCV yy (m²)	0.000091	VCV yz (m²)	-0.000050		
						VCV zz (m²)	0.000091		
Point	115	ΔX	16642.849	ΔY	15778.089	ΔZ	16968.531	Code	TM1
		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.025	Hz Prec	0.025	Vt Prec	0.039
QC 1		PDOP	1.9	GDOP	2.5	HDOP	1.0	VDOP	1.6
		Base data age	1	Satellites	14	Positions used	3		
QC 2		VCV xx (m²)	0.000021	VCV xy (m²)	0.000013	VCV xz (m²)	-0.000015		
				VCV yy (m²)	0.000089	VCV yz (m²)	-0.000049		
						VCV zz (m²)	0.000090		
Point	116	ΔX	16642.192	ΔY	15782.765	ΔZ	16973.695	Code	TM1
		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.002	Hz Prec	0.028	Vt Prec	0.044
QC 1		PDOP	1.9	GDOP	2.5	HDOP	1.0	VDOP	1.6

		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000033	VCV xy (m²)	0.000032	VCV xz (m²)	-0.000028		
				VCV yy (m²)	0.000120	VCV yz (m²)	-0.000070		
						VCV zz (m²)	0.000104		
Point	117	ΔX	16641.512	ΔY	15788.189	ΔZ	16979.460	Code	TM1
		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.040	Hz Prec	0.030	Vt Prec	0.050
QC 1		PDOP	1.7	GDOP	2.2	HDOP	0.8	VDOP	1.4
		Base data age	1	Satellites	14	Positions used	3		
QC 2		VCV xx (m²)	0.000045	VCV xy (m²)	0.000053	VCV xz (m²)	-0.000042		
				VCV yy (m²)	0.000152	VCV yz (m²)	-0.000092		
						VCV zz (m²)	0.000118		
Point	118	ΔX	16641.173	ΔY	15792.882	ΔZ	16985.037	Code	TM1
		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.018	Hz Prec	0.032	Vt Prec	0.053
QC 1		PDOP	1.9	GDOP	2.5	HDOP	1.0	VDOP	1.6
		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000055	VCV xy (m²)	0.000068	VCV xz (m²)	-0.000053		

				VCV yy (m²)	0.000176	VCV yz (m²)	-0.000108		
						VCV zz (m²)	0.000130		
Point	119	ΔX	16640.628	ΔY	15797.756	ΔZ	16991.254	Code	TM1
		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.043	Hz Prec	0.032	Vt Prec	0.052
QC 1		PDOP	1.9	GDOP	2.5	HDOP	1.0	VDOP	1.6
		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000053	VCV xy (m²)	0.000064	VCV xz (m²)	-0.000050		
				VCV yy (m²)	0.000169	VCV yz (m²)	-0.000104		
						VCV zz (m²)	0.000128		
Point	120	ΔX	16639.557	ΔY	15801.921	ΔZ	16996.538	Code	TM1
		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.013	Hz Prec	0.031	Vt Prec	0.050
QC 1		PDOP	1.9	GDOP	2.5	HDOP	1.0	VDOP	1.6
		Base data age	2	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000047	VCV xy (m²)	0.000054	VCV xz (m²)	-0.000044		
				VCV yy (m²)	0.000156	VCV yz (m²)	-0.000094		
						VCV zz (m²)	0.000123		
Point	121	ΔX	16639.015	ΔY	15804.753	ΔZ	16999.770	Code	TM1

		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.026	Hz Prec	0.030	Vt Prec	0.048
QC 1		PDOP	1.9	GDOP	2.5	HDOP	1.0	VDOP	1.6
		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000041	VCV xy (m²)	0.000045	VCV xz (m²)	-0.000037		
				VCV yy (m²)	0.000138	VCV yz (m²)	-0.000083		
						VCV zz (m²)	0.000113		
Point	122	ΔX	16638.019	ΔY	15807.767	ΔZ	17002.901	Code	TM1
		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.029	Hz Prec	0.030	Vt Prec	0.047
QC 1		PDOP	1.9	GDOP	2.5	HDOP	1.0	VDOP	1.6
		Base data age	2	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000040	VCV xy (m²)	0.000042	VCV xz (m²)	-0.000035		
				VCV yy (m²)	0.000135	VCV yz (m²)	-0.000080		
						VCV zz (m²)	0.000113		
Point	123	ΔX	16636.593	ΔY	15812.478	ΔZ	17007.726	Code	TM1
		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		

Antenna height	5.906	Type	Uncorrected	Tilt distance	0.024	Hz Prec	0.029	Vt Prec	0.046
QC 1		PDOP	1.9	GDOP	2.5	HDOP	1.0	VDOP	1.6
		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000037	VCV xy (m²)	0.000038	VCV xz (m²)	-0.000033		
				VCV yy (m²)	0.000127	VCV yz (m²)	-0.000075		
						VCV zz (m²)	0.000108		
Point	124	ΔX	16627.982	ΔY	15863.931	ΔZ	17062.758	Code	TM2
		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.036	Hz Prec	0.034	Vt Prec	0.053
QC 1		PDOP	1.6	GDOP	2.1	HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000056	VCV xy (m²)	0.000054	VCV xz (m²)	-0.000069		
				VCV yy (m²)	0.000139	VCV yz (m²)	-0.000105		
						VCV zz (m²)	0.000174		
Point	125	ΔX	16628.019	ΔY	15872.547	ΔZ	17071.767	Code	TM2
		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.042	Hz Prec	0.034	Vt Prec	0.054
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	13	Positions used	3		

QC 2		VCV xx (m ²)	0.000059	VCV xy (m ²)	0.000056	VCV xz (m ²)	-0.000074		
				VCV yy (m ²)	0.000139	VCV yz (m ²)	-0.000108		
						VCV zz (m ²)	0.000183		
Point	126	ΔX	16628.248	ΔY	15876.913	ΔZ	17076.185	Code	TM2
		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.051	Hz Prec	0.036	Vt Prec	0.056
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.9	VDOP	1.3
		Base data age	4	Satellites	13	Positions used	3		
QC 2		VCV xx (m ²)	0.000062	VCV xy (m ²)	0.000059	VCV xz (m ²)	-0.000077		
				VCV yy (m ²)	0.000151	VCV yz (m ²)	-0.000115		
						VCV zz (m ²)	0.000194		
Point	127	ΔX	16628.398	ΔY	15882.899	ΔZ	17082.244	Code	TM2
		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.037	Hz Prec	0.034	Vt Prec	0.054
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV xx (m ²)	0.000058	VCV xy (m ²)	0.000055	VCV xz (m ²)	-0.000073		
				VCV yy (m ²)	0.000136	VCV yz (m ²)	-0.000106		

						VCV zz (m²)	0.000181		
Point	128	ΔX	16628.506	ΔY	15890.958	ΔZ	17091.137	Code	TM2
		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.026	Hz Prec	0.040	Vt Prec	0.057
QC 1		PDOP	1.5	GDOP	2.0	HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	14	Positions used	3		
QC 2		VCV xx (m²)	0.000057	VCV xy (m²)	0.000042	VCV xz (m²)	-0.000041		
				VCV yy (m²)	0.000210	VCV yz (m²)	-0.000107		
						VCV zz (m²)	0.000185		
Point	129	ΔX	16627.487	ΔY	15900.822	ΔZ	17101.649	Code	TM2
		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.037	Hz Prec	0.041	Vt Prec	0.060
QC 1		PDOP	1.5	GDOP	2.0	HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	14	Positions used	3		
QC 2		VCV xx (m²)	0.000067	VCV xy (m²)	0.000057	VCV xz (m²)	-0.000043		
				VCV yy (m²)	0.000242	VCV yz (m²)	-0.000116		
						VCV zz (m²)	0.000182		
Point	130	ΔX	16626.963	ΔY	15908.748	ΔZ	17110.047	Code	TM2
		Description 1	tm1	Description 2					

		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.014	Hz Prec	0.071	Vt Prec	0.105
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	14	Positions used	3		
QC 2		VCV xx (m²)	0.000222	VCV xy (m²)	0.000196	VCV xz (m²)	-0.000244		
				VCV yy (m²)	0.000582	VCV yz (m²)	-0.000383		
						VCV zz (m²)	0.000677		
Point	131	ΔX	16626.358	ΔY	15917.898	ΔZ	17119.623	Code	TM2
		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.025	Hz Prec	0.052	Vt Prec	0.077
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.9	VDOP	1.4
		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000122	VCV xy (m²)	0.000107	VCV xz (m²)	-0.000146		
				VCV yy (m²)	0.000291	VCV yz (m²)	-0.000209		
						VCV zz (m²)	0.000383		
Point	132	ΔX	16625.738	ΔY	15926.838	ΔZ	17129.200	Code	TM2
		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.050	Hz Prec	0.051	Vt Prec	0.076
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.9	VDOP	1.4

		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000121	VCV xy (m²)	0.000106	VCV xz (m²)	-0.000147		
				VCV yy (m²)	0.000284	VCV yz (m²)	-0.000207		
						VCV zz (m²)	0.000382		
Point	133	ΔX	16625.560	ΔY	15934.408	ΔZ	17137.436	Code	TM2
		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.016	Hz Prec	0.067	Vt Prec	0.102
QC 1		PDOP	1.5	GDOP	2.0	HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	14	Positions used	3		
QC 2		VCV xx (m²)	0.000225	VCV xy (m²)	0.000194	VCV xz (m²)	-0.000365		
				VCV yy (m²)	0.000341	VCV yz (m²)	-0.000384		
						VCV zz (m²)	0.000808		
Point	134	ΔX	16625.057	ΔY	15946.969	ΔZ	17151.208	Code	TM2
		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.025	Hz Prec	0.041	Vt Prec	0.058
QC 1		PDOP	1.5	GDOP	2.0	HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	14	Positions used	3		
QC 2		VCV xx (m²)	0.000066	VCV xy (m²)	0.000056	VCV xz (m²)	-0.000049		

				VCV yy (m²)	0.000217	VCV yz (m²)	-0.000109		
						VCV zz (m²)	0.000179		
Point	135	ΔX	16624.402	ΔY	15957.897	ΔZ	17162.877	Code	TM2
		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.019	Hz Prec	0.040	Vt Prec	0.057
QC 1		PDOP	1.5	GDOP	2.0	HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	14	Positions used	3		
QC 2		VCV xx (m²)	0.000065	VCV xy (m²)	0.000052	VCV xz (m²)	-0.000048		
				VCV yy (m²)	0.000211	VCV yz (m²)	-0.000106		
						VCV zz (m²)	0.000180		
Point	136	ΔX	16623.820	ΔY	15968.984	ΔZ	17174.795	Code	TM2
		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.017	Hz Prec	0.043	Vt Prec	0.061
QC 1		PDOP	1.7	GDOP	2.3	HDOP	1.0	VDOP	1.4
		Base data age	3	Satellites	14	Positions used	3		
QC 2		VCV xx (m²)	0.000073	VCV xy (m²)	0.000062	VCV xz (m²)	-0.000052		
				VCV yy (m²)	0.000244	VCV yz (m²)	-0.000119		
						VCV zz (m²)	0.000194		
Point	137	ΔX	16623.594	ΔY	15981.569	ΔZ	17188.043	Code	TM2

		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.015	Hz Prec	0.043	Vt Prec	0.061
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.9	VDOP	1.3
		Base data age	5	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000072	VCV xy (m²)	0.000059	VCV xz (m²)	-0.000051		
				VCV yy (m²)	0.000239	VCV yz (m²)	-0.000119		
						VCV zz (m²)	0.000198		
Point	138	ΔX	16623.459	ΔY	15992.076	ΔZ	17199.457	Code	TM2
		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.025	Hz Prec	0.042	Vt Prec	0.059
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.9	VDOP	1.3
		Base data age	2	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000070	VCV xy (m²)	0.000056	VCV xz (m²)	-0.000049		
				VCV yy (m²)	0.000226	VCV yz (m²)	-0.000112		
						VCV zz (m²)	0.000190		
Point	139	ΔX	16624.444	ΔY	16002.305	ΔZ	17209.883	Code	TM2
		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		

Antenna height	5.906	Type	Uncorrected	Tilt distance	0.010	Hz Prec	0.042	Vt Prec	0.060
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000071	VCV xy (m²)	0.000057	VCV xz (m²)	-0.000050		
				VCV yy (m²)	0.000232	VCV yz (m²)	-0.000114		
						VCV zz (m²)	0.000195		
Point	140	ΔX	16624.500	ΔY	16011.411	ΔZ	17219.480	Code	TM2
		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.005	Hz Prec	0.042	Vt Prec	0.059
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000070	VCV xy (m²)	0.000055	VCV xz (m²)	-0.000049		
				VCV yy (m²)	0.000225	VCV yz (m²)	-0.000111		
						VCV zz (m²)	0.000190		
Point	141	ΔX	16624.274	ΔY	16018.368	ΔZ	17227.067	Code	TM2
		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.040	Hz Prec	0.043	Vt Prec	0.059
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.9	VDOP	1.3
		Base data age	2	Satellites	13	Positions used	3		

QC 2		VCV xx (m ²)	0.000071	VCV xy (m ²)	0.000056	VCV xz (m ²)	-0.000050		
				VCV yy (m ²)	0.000229	VCV yz (m ²)	-0.000112		
						VCV zz (m ²)	0.000194		
Point	142	ΔX	16624.247	ΔY	16029.770	ΔZ	17239.261	Code	TM2
		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.019	Hz Prec	0.043	Vt Prec	0.060
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.9	VDOP	1.3
		Base data age	2	Satellites	13	Positions used	3		
QC 2		VCV xx (m ²)	0.000072	VCV xy (m ²)	0.000056	VCV xz (m ²)	-0.000050		
				VCV yy (m ²)	0.000233	VCV yz (m ²)	-0.000113		
						VCV zz (m ²)	0.000196		
Point	143	ΔX	16624.477	ΔY	16035.379	ΔZ	17245.256	Code	TM2
		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.021	Hz Prec	0.046	Vt Prec	0.063
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.9	VDOP	1.3
		Base data age	2	Satellites	13	Positions used	3		
QC 2		VCV xx (m ²)	0.000081	VCV xy (m ²)	0.000062	VCV xz (m ²)	-0.000056		
				VCV yy (m ²)	0.000260	VCV yz (m ²)	-0.000126		

						VCV zz (m²)	0.000221		
Point	144	ΔX	16624.033	ΔY	16039.538	ΔZ	17249.944	Code	TM2
		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.037	Hz Prec	0.044	Vt Prec	0.061
QC 1		PDOP	1.8	GDOP	2.4	HDOP	1.1	VDOP	1.5
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000076	VCV xy (m²)	0.000063	VCV xz (m²)	-0.000053		
				VCV yy (m²)	0.000253	VCV yz (m²)	-0.000119		
						VCV zz (m²)	0.000202		
Point	145	ΔX	16623.474	ΔY	16041.269	ΔZ	17252.019	Code	TM2
		Description 1	tm1	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.012	Hz Prec	0.044	Vt Prec	0.060
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000077	VCV xy (m²)	0.000061	VCV xz (m²)	-0.000053		
				VCV yy (m²)	0.000232	VCV yz (m²)	-0.000116		
						VCV zz (m²)	0.000208		
Point	146	ΔX	16617.429	ΔY	16049.782	ΔZ	17262.588	Code	AXL1
		Description 1	PICKUP	Description 2					

		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.024	Hz Prec	0.043	Vt Prec	0.059
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000074	VCV xy (m²)	0.000056	VCV xz (m²)	-0.000050		
				VCV yy (m²)	0.000228	VCV yz (m²)	-0.000110		
						VCV zz (m²)	0.000199		

Point	147	ΔX	16623.975	ΔY	16050.354	ΔZ	17261.909	Code	AXL1
		Description 1	PICKUP	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.019	Hz Prec	0.065	Vt Prec	0.092
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	13	Positions used	2		
QC 2		VCV xx (m²)	0.000185	VCV xy (m²)	0.000142	VCV xz (m²)	-0.000254		
				VCV yy (m²)	0.000350	VCV yz (m²)	-0.000289		
						VCV zz (m²)	0.000646		

Warnings (147)

Poor precision

Point	148	ΔX	16624.488	ΔY	16044.143	ΔZ	17255.102	Code	AXL2
		Description 1	PICKUP	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.051	Hz Prec	0.040	Vt Prec	0.054

QC 1		PDOP	1.7	GDOP	2.2	HDOP	1.0	VDOP	1.3
		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV $_{xx}$ (m ²)	0.000059	VCV $_{xy}$ (m ²)	0.000047	VCV $_{xz}$ (m ²)	-0.000043		
				VCV $_{yy}$ (m ²)	0.000192	VCV $_{yz}$ (m ²)	-0.000087		
						VCV $_{zz}$ (m ²)	0.000161		
Point	149	ΔX	16617.877	ΔY	16043.368	ΔZ	17255.561	Code	AXL2
		Description 1	PICKUP	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.052	Hz Prec	0.041	Vt Prec	0.055
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV $_{xx}$ (m ²)	0.000063	VCV $_{xy}$ (m ²)	0.000049	VCV $_{xz}$ (m ²)	-0.000044		
				VCV $_{yy}$ (m ²)	0.000204	VCV $_{yz}$ (m ²)	-0.000092		
						VCV $_{zz}$ (m ²)	0.000170		
Point	150	ΔX	16615.753	ΔY	16046.204	ΔZ	17258.742	Code	BODY
		Description 1	PICKUP	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.036	Hz Prec	0.042	Vt Prec	0.057
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.9	VDOP	1.3
		Base data age	4	Satellites	13	Positions used	3		
QC 2		VCV $_{xx}$ (m ²)	0.000068	VCV $_{xy}$ (m ²)	0.000050	VCV $_{xz}$ (m ²)	-0.000046		

				VCV yy (m²)	0.000218	VCV yz (m²)	-0.000099		
						VCV zz (m²)	0.000182		
Point	151	ΔX	16614.729	ΔY	16042.218	ΔZ	17254.385	Code	BODY
		Description 1	PICKUP	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.046	Hz Prec	0.027	Vt Prec	0.037
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000029	VCV xy (m²)	0.000021	VCV xz (m²)	-0.000019		
				VCV yy (m²)	0.000090	VCV yz (m²)	-0.000041		
						VCV zz (m²)	0.000076		
Point	152	ΔX	16621.072	ΔY	16040.786	ΔZ	17252.400	Code	TRUCK
		Description 1	PICKUP	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.013	Hz Prec	0.032	Vt Prec	0.044
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.9	VDOP	1.3
		Base data age	5	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000038	VCV xy (m²)	0.000030	VCV xz (m²)	-0.000027		
				VCV yy (m²)	0.000130	VCV yz (m²)	-0.000061		
						VCV zz (m²)	0.000104		
Point	153	ΔX	16619.344	ΔY	16040.619	ΔZ	17252.359	Code	TRUCK

		Description 1	PICKUP	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.015	Hz Prec	0.028	Vt Prec	0.037
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000029	VCV xy (m²)	0.000021	VCV xz (m²)	-0.000020		
				VCV yy (m²)	0.000093	VCV yz (m²)	-0.000042		
						VCV zz (m²)	0.000078		
Point	154	ΔX	16618.702	ΔY	16040.816	ΔZ	17252.567	Code	TRUCK
		Description 1	PICKUP	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.013	Hz Prec	0.027	Vt Prec	0.037
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000028	VCV xy (m²)	0.000020	VCV xz (m²)	-0.000019		
				VCV yy (m²)	0.000090	VCV yz (m²)	-0.000040		
						VCV zz (m²)	0.000076		
Point	155	ΔX	16618.178	ΔY	16042.573	ΔZ	17254.527	Code	TRUCK
		Description 1	PICKUP	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		

Antenna height	5.906	Type	Uncorrected	Tilt distance	0.040	Hz Prec	0.028	Vt Prec	0.037
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.9	VDOP	1.3
		Base data age	2	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000029	VCV xy (m²)	0.000021	VCV xz (m²)	-0.000019		
				VCV yy (m²)	0.000092	VCV yz (m²)	-0.000041		
						VCV zz (m²)	0.000078		
Point	156	ΔX	16618.173	ΔY	16044.933	ΔZ	17257.159	Code	TRUCK
		Description 1	PICKUP	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.036	Hz Prec	0.027	Vt Prec	0.036
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000028	VCV xy (m²)	0.000020	VCV xz (m²)	-0.000019		
				VCV yy (m²)	0.000089	VCV yz (m²)	-0.000040		
						VCV zz (m²)	0.000075		
Point	157	ΔX	16617.803	ΔY	16048.246	ΔZ	17260.815	Code	TRUCK
		Description 1	PICKUP	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.013	Hz Prec	0.027	Vt Prec	0.036
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	13	Positions used	3		

QC 2		VCV xx (m²)	0.000028	VCV xy (m²)	0.000020	VCV xz (m²)	-0.000019		
				VCV yy (m²)	0.000089	VCV yz (m²)	-0.000040		
						VCV zz (m²)	0.000076		
Point	158	ΔX	16617.809	ΔY	16050.739	ΔZ	17263.438	Code	TRUCK
		Description 1	PICKUP	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.018	Hz Prec	0.028	Vt Prec	0.037
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.9	VDOP	1.3
		Base data age	2	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000029	VCV xy (m²)	0.000021	VCV xz (m²)	-0.000019		
				VCV yy (m²)	0.000092	VCV yz (m²)	-0.000041		
						VCV zz (m²)	0.000078		
Point	159	ΔX	16618.066	ΔY	16051.322	ΔZ	17264.055	Code	TRUCK
		Description 1	PICKUP	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.012	Hz Prec	0.027	Vt Prec	0.036
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000028	VCV xy (m²)	0.000020	VCV xz (m²)	-0.000019		
				VCV yy (m²)	0.000089	VCV yz (m²)	-0.000040		

						VCV zz (m²)	0.000075		
Point	160	ΔX	16618.872	ΔY	16051.617	ΔZ	17264.307	Code	TRUCK
		Description 1	PICKUP	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.026	Hz Prec	0.027	Vt Prec	0.036
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000028	VCV xy (m²)	0.000020	VCV xz (m²)	-0.000018		
				VCV yy (m²)	0.000088	VCV yz (m²)	-0.000039		
						VCV zz (m²)	0.000074		
Point	161	ΔX	16620.661	ΔY	16051.867	ΔZ	17264.415	Code	TRUCK
		Description 1	PICKUP	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.012	Hz Prec	0.027	Vt Prec	0.036
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000028	VCV xy (m²)	0.000020	VCV xz (m²)	-0.000018		
				VCV yy (m²)	0.000088	VCV yz (m²)	-0.000039		
						VCV zz (m²)	0.000074		
Point	162	ΔX	16623.036	ΔY	16052.057	ΔZ	17263.954	Code	TRUCK
		Description 1	PICKUP	Description 2					

		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.050	Hz Prec	0.051	Vt Prec	0.067
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.9	VDOP	1.3
		Base data age	2	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000096	VCV xy (m²)	0.000063	VCV xz (m²)	-0.000062		
				VCV yy (m²)	0.000297	VCV yz (m²)	-0.000131		
						VCV zz (m²)	0.000259		
Point	163	ΔX	16623.671	ΔY	16051.792	ΔZ	17263.475	Code	TRUCK
		Description 1	PICKUP	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.039	Hz Prec	0.048	Vt Prec	0.062
QC 1		PDOP	1.8	GDOP	2.4	HDOP	1.0	VDOP	1.5
		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000084	VCV xy (m²)	0.000055	VCV xz (m²)	-0.000048		
				VCV yy (m²)	0.000268	VCV yz (m²)	-0.000112		
						VCV zz (m²)	0.000215		
Point	164	ΔX	16624.066	ΔY	16049.566	ΔZ	17260.995	Code	TRUCK
		Description 1	PICKUP	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.030	Hz Prec	0.037	Vt Prec	0.048
QC 1		PDOP	1.9	GDOP	2.5	HDOP	1.1	VDOP	1.5

		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000051	VCV xy (m²)	0.000034	VCV xz (m²)	-0.000031		
				VCV yy (m²)	0.000161	VCV yz (m²)	-0.000069		
						VCV zz (m²)	0.000132		
Point	165	ΔX	16624.324	ΔY	16046.080	ΔZ	17257.100	Code	TRUCK
		Description 1	PICKUP	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.034	Hz Prec	0.028	Vt Prec	0.038
QC 1		PDOP	2.1	GDOP	2.9	HDOP	1.2	VDOP	1.8
		Base data age	1	Satellites	11	Positions used	3		
QC 2		VCV xx (m²)	0.000031	VCV xy (m²)	0.000021	VCV xz (m²)	-0.000022		
				VCV yy (m²)	0.000090	VCV yz (m²)	-0.000044		
						VCV zz (m²)	0.000089		
Point	166	ΔX	16624.519	ΔY	16042.500	ΔZ	17253.234	Code	TRUCK
		Description 1	PICKUP	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.058	Hz Prec	0.030	Vt Prec	0.039
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000032	VCV xy (m²)	0.000023	VCV xz (m²)	-0.000021		

				VCV yy (m²)	0.000103	VCV yz (m²)	-0.000044		
						VCV zz (m²)	0.000084		
Point	167	ΔX	16624.124	ΔY	16041.369	ΔZ	17252.140	Code	TRUCK
		Description 1	PICKUP	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.033	Hz Prec	0.027	Vt Prec	0.035
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000027	VCV xy (m²)	0.000019	VCV xz (m²)	-0.000017		
				VCV yy (m²)	0.000086	VCV yz (m²)	-0.000036		
						VCV zz (m²)	0.000070		
Point	168	ΔX	16623.087	ΔY	16040.984	ΔZ	17252.069	Code	TRUCK
		Description 1	PICKUP	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.030	Hz Prec	0.027	Vt Prec	0.035
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000027	VCV xy (m²)	0.000019	VCV xz (m²)	-0.000017		
				VCV yy (m²)	0.000086	VCV yz (m²)	-0.000037		
						VCV zz (m²)	0.000071		
Point	169	ΔX	16621.487	ΔY	16040.765	ΔZ	17252.437	Code	TRUCK

		Description 1	PICKUP	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.053	Hz Prec	0.027	Vt Prec	0.035
QC 1		PDOP	1.6	GDOP	2.1	HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000027	VCV xy (m²)	0.000019	VCV xz (m²)	-0.000017		
				VCV yy (m²)	0.000086	VCV yz (m²)	-0.000037		
						VCV zz (m²)	0.000071		

Initialization event: RTK not initialized

GPS week	2266	Seconds	532340	Initialization type	On the fly	Survey type	Real-time		
-----------------	------	----------------	--------	----------------------------	------------	--------------------	-----------	--	--

Survey event

Survey event	End survey
---------------------	------------

Rover options

Elevation mask	10	PDOP mask	6						
-----------------------	----	------------------	---	--	--	--	--	--	--

Rover options

Elevation mask	10	PDOP mask	6						
-----------------------	----	------------------	---	--	--	--	--	--	--

Rover options

Elevation mask	10	PDOP mask	6						
-----------------------	----	------------------	---	--	--	--	--	--	--

Rover options

Elevation mask	10	PDOP mask	6						
-----------------------	----	------------------	---	--	--	--	--	--	--

Survey event	
Survey event	Rover started

GNSS receiver	
Receiver type	Unknown
Serial number	
Firmware version	0
Antenna type	AdV Null Antenna
Measurement method	Antenna Phase Center
Tape adjustment	0.000
Horizontal offset	0.000
Vertical offset	0.000

Base point									
Point	IA New Albin	Antenna height	0.000	Type	Corrected				

Initialization event: RTK initialized									
GPS week	2266	Seconds	532852	Initialization type	On the fly	Survey type	Real-time		

Tilt calibration status							
Event	Start survey	Calibration expires in	4d 16h	Calibration age limit	30d 0h	Sensor calibration status	Tilt calibrated OK

GNSS receiver	
Receiver type	R10
Serial number	5521499772
Firmware version	5.22
Antenna type	R10 Internal

Measurement method	Bottom of quick release
Tape adjustment	0.000
Horizontal offset	0.000
Vertical offset	0.653

Point	170	ΔX	16627.245	ΔY	16126.853	ΔZ	17344.161	Code	EG1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.019	Hz Prec	0.031	Vt Prec	0.039
QC 1		PDOP	1.6	GDOP	2.1	HDOP	1.0	VDOP	1.3
		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000034	VCV xy (m²)	0.000022	VCV xz (m²)	-0.000023		
				VCV yy (m²)	0.000102	VCV yz (m²)	-0.000044		
						VCV zz (m²)	0.000097		

Point	171	ΔX	16622.326	ΔY	16126.796	ΔZ	17344.925	Code	EA1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.039	Hz Prec	0.028	Vt Prec	0.036
QC 1		PDOP	1.6	GDOP	2.1	HDOP	1.0	VDOP	1.3
		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000029	VCV xy (m²)	0.000018	VCV xz (m²)	-0.000020		
				VCV yy (m²)	0.000084	VCV yz (m²)	-0.000038		
						VCV zz (m²)	0.000082		

Point	172	ΔX	16616.114	ΔY	16126.574	ΔZ	17345.000	Code	FL1
--------------	-----	-----------	-----------	-----------	-----------	-----------	-----------	-------------	-----

		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.020	Hz Prec	0.031	Vt Prec	0.040
QC 1		PDOP	1.6	GDOP	2.1	HDOP	1.0	VDOP	1.3
		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000035	VCV xy (m²)	0.000023	VCV xz (m²)	-0.000025		
				VCV yy (m²)	0.000104	VCV yz (m²)	-0.000047		
						VCV zz (m²)	0.000102		
Point	173	ΔX	16604.259	ΔY	16126.062	ΔZ	17344.771	Code	CL1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.028	Hz Prec	0.032	Vt Prec	0.041
QC 1		PDOP	1.6	GDOP	2.1	HDOP	1.0	VDOP	1.3
		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000037	VCV xy (m²)	0.000024	VCV xz (m²)	-0.000026		
				VCV yy (m²)	0.000109	VCV yz (m²)	-0.000049		
						VCV zz (m²)	0.000106		
Point	174	ΔX	16592.440	ΔY	16125.908	ΔZ	17344.825	Code	FL2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.025	Hz Prec	0.030	Vt Prec	0.037
QC 1		PDOP	1.4	GDOP	1.8	HDOP	0.9	VDOP	1.1

		Base data age	1	Satellites	14	Positions used	3		
QC 2		VCV xx (m²)	0.000031	VCV xy (m²)	0.000020	VCV xz (m²)	-0.000017		
				VCV yy (m²)	0.000100	VCV yz (m²)	-0.000039		
						VCV zz (m²)	0.000080		
Point	175	ΔX	16586.079	ΔY	16125.588	ΔZ	17344.446	Code	EA2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.020	Hz Prec	0.035	Vt Prec	0.045
QC 1		PDOP	1.6	GDOP	2.1	HDOP	1.0	VDOP	1.3
		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000043	VCV xy (m²)	0.000029	VCV xz (m²)	-0.000031		
				VCV yy (m²)	0.000129	VCV yz (m²)	-0.000059		
						VCV zz (m²)	0.000126		
Point	176	ΔX	16579.647	ΔY	16126.925	ΔZ	17344.712	Code	EG2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.017	Hz Prec	0.034	Vt Prec	0.044
QC 1		PDOP	1.6	GDOP	2.1	HDOP	1.0	VDOP	1.3
		Base data age	2	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000041	VCV xy (m²)	0.000027	VCV xz (m²)	-0.000029		
				VCV yy (m²)	0.000122	VCV yz (m²)	-0.000055		

						VCV zz (m²)	0.000121		
Point	177	ΔX	16578.296	ΔY	16088.907	ΔZ	17304.078	Code	EG2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.019	Hz Prec	0.029	Vt Prec	0.037
QC 1		PDOP	1.4	GDOP	1.8	HDOP	0.9	VDOP	1.1
		Base data age	1	Satellites	14	Positions used	3		
QC 2		VCV xx (m²)	0.000030	VCV xy (m²)	0.000019	VCV xz (m²)	-0.000016		
				VCV yy (m²)	0.000096	VCV yz (m²)	-0.000038		
						VCV zz (m²)	0.000077		
Point	178	ΔX	16583.812	ΔY	16087.950	ΔZ	17304.123	Code	EA2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.041	Hz Prec	0.030	Vt Prec	0.038
QC 1		PDOP	1.4	GDOP	1.8	HDOP	0.9	VDOP	1.1
		Base data age	1	Satellites	14	Positions used	3		
QC 2		VCV xx (m²)	0.000032	VCV xy (m²)	0.000021	VCV xz (m²)	-0.000017		
				VCV yy (m²)	0.000103	VCV yz (m²)	-0.000040		
						VCV zz (m²)	0.000082		
Point	179	ΔX	16590.235	ΔY	16087.567	ΔZ	17303.624	Code	FL2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.032	Hz Prec	0.031	Vt Prec	0.040

QC 1		PDOP	1.4	GDOP	1.8	HDOP	0.9	VDOP	1.1
		Base data age	1	Satellites	14	Positions used	3		
QC 2		VCV xx (m²)	0.000035	VCV xy (m²)	0.000023	VCV xz (m²)	-0.000018		
				VCV yy (m²)	0.000114	VCV yz (m²)	-0.000045		
						VCV zz (m²)	0.000090		
Point	180	ΔX	16601.941	ΔY	16087.280	ΔZ	17303.178	Code	CL1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.008	Hz Prec	0.033	Vt Prec	0.043
QC 1		PDOP	1.6	GDOP	2.1	HDOP	1.0	VDOP	1.3
		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000040	VCV xy (m²)	0.000026	VCV xz (m²)	-0.000022		
				VCV yy (m²)	0.000128	VCV yz (m²)	-0.000052		
						VCV zz (m²)	0.000105		
Point	181	ΔX	16613.764	ΔY	16087.105	ΔZ	17302.715	Code	FL1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.026	Hz Prec	0.034	Vt Prec	0.045
QC 1		PDOP	1.8	GDOP	2.4	HDOP	1.1	VDOP	1.4
		Base data age	3	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000042	VCV xy (m²)	0.000031	VCV xz (m²)	-0.000026		

				VCV yy (m²)	0.000139	VCV yz (m²)	-0.000059		
						VCV zz (m²)	0.000111		
Point	182	ΔX	16619.856	ΔY	16087.065	ΔZ	17302.358	Code	EA1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.023	Hz Prec	0.034	Vt Prec	0.046
QC 1		PDOP	1.8	GDOP	2.4	HDOP	1.1	VDOP	1.4
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000042	VCV xy (m²)	0.000035	VCV xz (m²)	-0.000027		
				VCV yy (m²)	0.000150	VCV yz (m²)	-0.000063		
						VCV zz (m²)	0.000113		
Point	183	ΔX	16625.180	ΔY	16087.361	ΔZ	17301.333	Code	EG1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.031	Hz Prec	0.033	Vt Prec	0.045
QC 1		PDOP	1.8	GDOP	2.4	HDOP	1.1	VDOP	1.4
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000040	VCV xy (m²)	0.000034	VCV xz (m²)	-0.000027		
				VCV yy (m²)	0.000144	VCV yz (m²)	-0.000061		
						VCV zz (m²)	0.000109		
Point	184	ΔX	16622.893	ΔY	16054.825	ΔZ	17266.611	Code	EG1
		Method	Network RTK	Type	Topo point	Search class	Normal		

Antenna height	5.906	Type	Uncorrected	Tilt distance	0.038	Hz Prec	0.029	Vt Prec	0.040
QC 1		PDOP	1.8	GDOP	2.4	HDOP	1.1	VDOP	1.4
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000031	VCV xy (m²)	0.000027	VCV xz (m²)	-0.000021		
				VCV yy (m²)	0.000112	VCV yz (m²)	-0.000049		
						VCV zz (m²)	0.000085		
Point	185	ΔX	16618.331	ΔY	16054.211	ΔZ	17267.100	Code	EA1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.013	Hz Prec	0.031	Vt Prec	0.041
QC 1		PDOP	1.6	GDOP	2.1	HDOP	1.0	VDOP	1.3
		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000035	VCV xy (m²)	0.000024	VCV xz (m²)	-0.000022		
				VCV yy (m²)	0.000110	VCV yz (m²)	-0.000049		
						VCV zz (m²)	0.000099		
Point	186	ΔX	16612.215	ΔY	16054.010	ΔZ	17267.080	Code	FL1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.038	Hz Prec	0.031	Vt Prec	0.040
QC 1		PDOP	1.8	GDOP	2.4	HDOP	1.1	VDOP	1.5
		Base data age	2	Satellites	13	Positions used	3		

QC 2		VCV xx (m²)	0.000034	VCV xy (m²)	0.000023	VCV xz (m²)	-0.000022		
				VCV yy (m²)	0.000107	VCV yz (m²)	-0.000048		
						VCV zz (m²)	0.000097		
Point	187	ΔX	16600.332	ΔY	16053.772	ΔZ	17267.343	Code	CL1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.040	Hz Prec	0.032	Vt Prec	0.042
QC 1		PDOP	1.6	GDOP	2.1	HDOP	1.0	VDOP	1.3
		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000036	VCV xy (m²)	0.000025	VCV xz (m²)	-0.000023		
				VCV yy (m²)	0.000116	VCV yz (m²)	-0.000051		
						VCV zz (m²)	0.000104		
Point	188	ΔX	16588.628	ΔY	16053.336	ΔZ	17267.013	Code	FL2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.023	Hz Prec	0.034	Vt Prec	0.045
QC 1		PDOP	1.6	GDOP	2.1	HDOP	1.0	VDOP	1.3
		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000041	VCV xy (m²)	0.000028	VCV xz (m²)	-0.000026		
				VCV yy (m²)	0.000132	VCV yz (m²)	-0.000059		
						VCV zz (m²)	0.000118		
Point	189	ΔX	16582.364	ΔY	16053.289	ΔZ	17267.103	Code	EA2

		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.009	Hz Prec	0.034	Vt Prec	0.045
QC 1		PDOP	1.6	GDOP	2.1	HDOP	1.0	VDOP	1.3
		Base data age	2	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000042	VCV xy (m²)	0.000029	VCV xz (m²)	-0.000026		
				VCV yy (m²)	0.000133	VCV yz (m²)	-0.000059		
						VCV zz (m²)	0.000118		
Point	190	ΔX	16576.966	ΔY	16053.585	ΔZ	17266.377	Code	EG2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.014	Hz Prec	0.032	Vt Prec	0.042
QC 1		PDOP	1.6	GDOP	2.1	HDOP	1.0	VDOP	1.2
		Base data age	2	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000037	VCV xy (m²)	0.000026	VCV xz (m²)	-0.000023		
				VCV yy (m²)	0.000120	VCV yz (m²)	-0.000053		
						VCV zz (m²)	0.000106		
Point	191	ΔX	16576.768	ΔY	16020.855	ΔZ	17231.487	Code	EG2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.022	Hz Prec	0.029	Vt Prec	0.039
QC 1		PDOP	1.6	GDOP	2.1	HDOP	1.0	VDOP	1.2

		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000031	VCV xy (m²)	0.000021	VCV xz (m²)	-0.000019		
				VCV yy (m²)	0.000100	VCV yz (m²)	-0.000044		
						VCV zz (m²)	0.000088		
Point	192	ΔX	16581.768	ΔY	16018.757	ΔZ	17229.776	Code	EA2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.027	Hz Prec	0.030	Vt Prec	0.040
QC 1		PDOP	1.6	GDOP	2.1	HDOP	1.0	VDOP	1.2
		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000033	VCV xy (m²)	0.000023	VCV xz (m²)	-0.000020		
				VCV yy (m²)	0.000107	VCV yz (m²)	-0.000047		
						VCV zz (m²)	0.000093		
Point	193	ΔX	16588.184	ΔY	16019.194	ΔZ	17230.268	Code	FL2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.031	Hz Prec	0.029	Vt Prec	0.039
QC 1		PDOP	1.6	GDOP	2.1	HDOP	1.0	VDOP	1.2
		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000031	VCV xy (m²)	0.000021	VCV xz (m²)	-0.000018		
				VCV yy (m²)	0.000101	VCV yz (m²)	-0.000044		

						VCV zz (m²)	0.000088		
Point	194	ΔX	16600.003	ΔY	16019.237	ΔZ	17230.073	Code	CL1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.007	Hz Prec	0.031	Vt Prec	0.042
QC 1		PDOP	1.8	GDOP	2.4	HDOP	1.1	VDOP	1.5
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000034	VCV xy (m²)	0.000026	VCV xz (m²)	-0.000021		
				VCV yy (m²)	0.000120	VCV yz (m²)	-0.000052		
						VCV zz (m²)	0.000096		
Point	195	ΔX	16611.819	ΔY	16019.863	ΔZ	17230.388	Code	FL1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.034	Hz Prec	0.030	Vt Prec	0.042
QC 1		PDOP	1.8	GDOP	2.4	HDOP	1.1	VDOP	1.5
		Base data age	2	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000034	VCV xy (m²)	0.000027	VCV xz (m²)	-0.000021		
				VCV yy (m²)	0.000121	VCV yz (m²)	-0.000052		
						VCV zz (m²)	0.000093		
Point	196	ΔX	16617.956	ΔY	16019.888	ΔZ	17230.134	Code	EA1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.015	Hz Prec	0.031	Vt Prec	0.043

QC 1		PDOP	1.8	GDOP	2.4	HDOP	1.1	VDOP	1.5
		Base data age	3	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000036	VCV xy (m²)	0.000030	VCV xz (m²)	-0.000023		
				VCV yy (m²)	0.000132	VCV yz (m²)	-0.000058		
						VCV zz (m²)	0.000098		
Point	197	ΔX	16622.067	ΔY	16020.363	ΔZ	17229.807	Code	EG1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.020	Hz Prec	0.030	Vt Prec	0.041
QC 1		PDOP	1.8	GDOP	2.4	HDOP	1.1	VDOP	1.5
		Base data age	2	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000032	VCV xy (m²)	0.000027	VCV xz (m²)	-0.000020		
				VCV yy (m²)	0.000119	VCV yz (m²)	-0.000051		
						VCV zz (m²)	0.000088		
Point	198	ΔX	16622.186	ΔY	15978.569	ΔZ	17185.203	Code	EG1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.017	Hz Prec	0.024	Vt Prec	0.034
QC 1		PDOP	1.8	GDOP	2.4	HDOP	1.1	VDOP	1.5
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000020	VCV xy (m²)	0.000017	VCV xz (m²)	-0.000012		

				VCV yy (m²)	0.000081	VCV yz (m²)	-0.000034		
						VCV zz (m²)	0.000060		
Point	199	ΔX	16618.362	ΔY	15978.214	ΔZ	17185.607	Code	EA1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.015	Hz Prec	0.026	Vt Prec	0.035
QC 1		PDOP	1.8	GDOP	2.4	HDOP	1.1	VDOP	1.5
		Base data age	1	Satellites	13	Positions used	3		
QC 2		VCV xx (m²)	0.000023	VCV xy (m²)	0.000017	VCV xz (m²)	-0.000013		
				VCV yy (m²)	0.000083	VCV yz (m²)	-0.000036		
						VCV zz (m²)	0.000067		
Point	200	ΔX	16612.125	ΔY	15977.895	ΔZ	17185.610	Code	FL1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.032	Hz Prec	0.027	Vt Prec	0.038
QC 1		PDOP	1.9	GDOP	2.5	HDOP	1.1	VDOP	1.5
		Base data age	1	Satellites	11	Positions used	3		
QC 2		VCV xx (m²)	0.000026	VCV xy (m²)	0.000022	VCV xz (m²)	-0.000015		
				VCV yy (m²)	0.000104	VCV yz (m²)	-0.000045		
						VCV zz (m²)	0.000076		
Point	201	ΔX	16600.115	ΔY	15977.149	ΔZ	17185.252	Code	CL1
		Method	Network RTK	Type	Topo point	Search class	Normal		

Antenna height	5.906	Type	Uncorrected	Tilt distance	0.034	Hz Prec	0.029	Vt Prec	0.040
QC 1		PDOP	1.9	GDOP	2.5	HDOP	1.1	VDOP	1.5
		Base data age	1	Satellites	11	Positions used	3		
QC 2		VCV xx (m²)	0.000029	VCV xy (m²)	0.000024	VCV xz (m²)	-0.000016		
				VCV yy (m²)	0.000114	VCV yz (m²)	-0.000050		
						VCV zz (m²)	0.000084		
Point	202	ΔX	16588.622	ΔY	15976.384	ΔZ	17184.690	Code	FL2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.023	Hz Prec	0.027	Vt Prec	0.037
QC 1		PDOP	1.6	GDOP	2.1	HDOP	1.0	VDOP	1.3
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000027	VCV xy (m²)	0.000018	VCV xz (m²)	-0.000013		
				VCV yy (m²)	0.000092	VCV yz (m²)	-0.000042		
						VCV zz (m²)	0.000080		
Point	203	ΔX	16582.262	ΔY	15975.724	ΔZ	17184.094	Code	EA2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.026	Hz Prec	0.027	Vt Prec	0.037
QC 1		PDOP	1.6	GDOP	2.1	HDOP	1.0	VDOP	1.3
		Base data age	1	Satellites	12	Positions used	3		

QC 2		VCV xx (m²)	0.000026	VCV xy (m²)	0.000017	VCV xz (m²)	-0.000012		
				VCV yy (m²)	0.000088	VCV yz (m²)	-0.000040		
						VCV zz (m²)	0.000078		
Point	204	ΔX	16577.207	ΔY	15975.648	ΔZ	17182.971	Code	EG2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.020	Hz Prec	0.025	Vt Prec	0.033
QC 1		PDOP	1.9	GDOP	2.5	HDOP	1.1	VDOP	1.5
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000022	VCV xy (m²)	0.000014	VCV xz (m²)	-0.000010		
				VCV yy (m²)	0.000073	VCV yz (m²)	-0.000034		
						VCV zz (m²)	0.000065		
Point	205	ΔX	16578.373	ΔY	15928.432	ΔZ	17132.545	Code	EG2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.029	Hz Prec	0.027	Vt Prec	0.038
QC 1		PDOP	1.8	GDOP	2.4	HDOP	1.1	VDOP	1.5
		Base data age	2	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000026	VCV xy (m²)	0.000023	VCV xz (m²)	-0.000015		
				VCV yy (m²)	0.000102	VCV yz (m²)	-0.000043		
						VCV zz (m²)	0.000071		
Point	206	ΔX	16583.699	ΔY	15927.406	ΔZ	17132.254	Code	EA2

		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.019	Hz Prec	0.027	Vt Prec	0.037
QC 1		PDOP	1.8	GDOP	2.4	HDOP	1.1	VDOP	1.5
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000025	VCV xy (m²)	0.000022	VCV xz (m²)	-0.000015		
				VCV yy (m²)	0.000100	VCV yz (m²)	-0.000043		
						VCV zz (m²)	0.000069		
Point	207	ΔX	16590.101	ΔY	15926.079	ΔZ	17130.767	Code	FL2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.018	Hz Prec	0.026	Vt Prec	0.037
QC 1		PDOP	1.8	GDOP	2.4	HDOP	1.1	VDOP	1.5
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000025	VCV xy (m²)	0.000022	VCV xz (m²)	-0.000014		
				VCV yy (m²)	0.000097	VCV yz (m²)	-0.000041		
						VCV zz (m²)	0.000067		
Point	208	ΔX	16601.689	ΔY	15926.172	ΔZ	17130.666	Code	CL1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.020	Hz Prec	0.028	Vt Prec	0.039
QC 1		PDOP	1.8	GDOP	2.4	HDOP	1.1	VDOP	1.5

		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000027	VCV xy (m²)	0.000024	VCV xz (m²)	-0.000015		
				VCV yy (m²)	0.000108	VCV yz (m²)	-0.000046		
						VCV zz (m²)	0.000074		
Point	209	ΔX	16613.624	ΔY	15926.481	ΔZ	17130.660	Code	FL1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.012	Hz Prec	0.027	Vt Prec	0.038
QC 1		PDOP	1.8	GDOP	2.4	HDOP	1.1	VDOP	1.5
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000026	VCV xy (m²)	0.000023	VCV xz (m²)	-0.000015		
				VCV yy (m²)	0.000106	VCV yz (m²)	-0.000045		
						VCV zz (m²)	0.000071		
Point	210	ΔX	16619.807	ΔY	15926.469	ΔZ	17130.304	Code	EA1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.032	Hz Prec	0.027	Vt Prec	0.038
QC 1		PDOP	1.8	GDOP	2.4	HDOP	1.1	VDOP	1.5
		Base data age	2	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000026	VCV xy (m²)	0.000023	VCV xz (m²)	-0.000014		
				VCV yy (m²)	0.000104	VCV yz (m²)	-0.000044		

						VCV zz (m²)	0.000070		
Point	211	ΔX	16624.218	ΔY	15927.073	ΔZ	17129.968	Code	EG1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.015	Hz Prec	0.028	Vt Prec	0.039
QC 1		PDOP	1.8	GDOP	2.4	HDOP	1.1	VDOP	1.5
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000028	VCV xy (m²)	0.000024	VCV xz (m²)	-0.000015		
				VCV yy (m²)	0.000112	VCV yz (m²)	-0.000047		
						VCV zz (m²)	0.000075		

Point	212	ΔX	16613.140	ΔY	15942.181	ΔZ	17147.258	Code	AXL3
		Description 1	SOUAD	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.043	Hz Prec	0.027	Vt Prec	0.039
QC 1		PDOP	1.8	GDOP	2.4	HDOP	1.1	VDOP	1.5
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000027	VCV xy (m²)	0.000023	VCV xz (m²)	-0.000014		
				VCV yy (m²)	0.000109	VCV yz (m²)	-0.000046		
						VCV zz (m²)	0.000072		

Point	213	ΔX	16607.292	ΔY	15939.810	ΔZ	17144.971	Code	AXL3
		Description 1	SOUAD	Description 2					

		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.025	Hz Prec	0.028	Vt Prec	0.040
QC 1		PDOP	1.8	GDOP	2.4	HDOP	1.1	VDOP	1.5
		Base data age	2	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000028	VCV xy (m²)	0.000025	VCV xz (m²)	-0.000015		
				VCV yy (m²)	0.000115	VCV yz (m²)	-0.000048		
						VCV zz (m²)	0.000076		
Point	214	ΔX	16611.894	ΔY	15933.967	ΔZ	17138.639	Code	AXL4
		Description 1	SOUAD	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.009	Hz Prec	0.029	Vt Prec	0.041
QC 1		PDOP	1.8	GDOP	2.4	HDOP	1.1	VDOP	1.5
		Base data age	3	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000031	VCV xy (m²)	0.000027	VCV xz (m²)	-0.000017		
				VCV yy (m²)	0.000124	VCV yz (m²)	-0.000053		
						VCV zz (m²)	0.000081		
Point	215	ΔX	16617.798	ΔY	15936.218	ΔZ	17140.868	Code	AXL4
		Description 1	SOUAD	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.061	Hz Prec	0.028	Vt Prec	0.040
QC 1		PDOP	1.8	GDOP	2.4	HDOP	1.1	VDOP	1.5

		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000029	VCV xy (m²)	0.000025	VCV xz (m²)	-0.000015		
				VCV yy (m²)	0.000119	VCV yz (m²)	-0.000050		
						VCV zz (m²)	0.000078		

Point	216	ΔX	16616.712	ΔY	15932.735	ΔZ	17136.983	Code	SQUAD1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.037	Hz Prec	0.028	Vt Prec	0.039
QC 1		PDOP	1.8	GDOP	2.4	HDOP	1.1	VDOP	1.5
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000027	VCV xy (m²)	0.000024	VCV xz (m²)	-0.000014		
				VCV yy (m²)	0.000112	VCV yz (m²)	-0.000047		
						VCV zz (m²)	0.000073		
Point	217	ΔX	16614.513	ΔY	15932.139	ΔZ	17136.437	Code	SQUAD1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.025	Hz Prec	0.028	Vt Prec	0.039
QC 1		PDOP	1.8	GDOP	2.4	HDOP	1.1	VDOP	1.5
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000027	VCV xy (m²)	0.000024	VCV xz (m²)	-0.000014		
				VCV yy (m²)	0.000114	VCV yz (m²)	-0.000048		

						VCV zz (m²)	0.000074		
Point	218	ΔX	16613.511	ΔY	15932.451	ΔZ	17136.864	Code	SQUAD1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.032	Hz Prec	0.028	Vt Prec	0.039
QC 1		PDOP	1.8	GDOP	2.4	HDOP	1.1	VDOP	1.5
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000028	VCV xy (m²)	0.000024	VCV xz (m²)	-0.000014		
				VCV yy (m²)	0.000115	VCV yz (m²)	-0.000048		
						VCV zz (m²)	0.000074		
Point	219	ΔX	16611.419	ΔY	15934.743	ΔZ	17139.385	Code	SQUAD1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.015	Hz Prec	0.028	Vt Prec	0.040
QC 1		PDOP	1.8	GDOP	2.4	HDOP	1.1	VDOP	1.5
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000028	VCV xy (m²)	0.000025	VCV xz (m²)	-0.000014		
				VCV yy (m²)	0.000119	VCV yz (m²)	-0.000050		
						VCV zz (m²)	0.000076		
Point	220	ΔX	16608.386	ΔY	15938.518	ΔZ	17143.543	Code	SQUAD1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.054	Hz Prec	0.028	Vt Prec	0.040

QC 1		PDOP	1.8	GDOP	2.4	HDOP	1.1	VDOP	1.5
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m ²)	0.000028	VCV xy (m ²)	0.000025	VCV xz (m ²)	-0.000013		
				VCV yy (m ²)	0.000118	VCV yz (m ²)	-0.000050		
						VCV zz (m ²)	0.000076		
Point	221	ΔX	16606.530	ΔY	15941.096	ΔZ	17146.368	Code	SQUAD1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.055	Hz Prec	0.029	Vt Prec	0.041
QC 1		PDOP	1.8	GDOP	2.4	HDOP	1.1	VDOP	1.5
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m ²)	0.000029	VCV xy (m ²)	0.000025	VCV xz (m ²)	-0.000014		
				VCV yy (m ²)	0.000123	VCV yz (m ²)	-0.000052		
						VCV zz (m ²)	0.000079		
Point	222	ΔX	16607.543	ΔY	15942.012	ΔZ	17147.351	Code	SQUAD1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.014	Hz Prec	0.030	Vt Prec	0.042
QC 1		PDOP	1.8	GDOP	2.4	HDOP	1.1	VDOP	1.5
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m ²)	0.000031	VCV xy (m ²)	0.000027	VCV xz (m ²)	-0.000015		

				VCV yy (m²)	0.000132	VCV yz (m²)	-0.000056		
						VCV zz (m²)	0.000084		
Point	223	ΔX	16607.174	ΔY	15942.546	ΔZ	17147.975	Code	SQUAD1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.058	Hz Prec	0.030	Vt Prec	0.044
QC 1		PDOP	1.8	GDOP	2.4	HDOP	1.1	VDOP	1.5
		Base data age	2	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000033	VCV xy (m²)	0.000029	VCV xz (m²)	-0.000015		
				VCV yy (m²)	0.000141	VCV yz (m²)	-0.000059		
						VCV zz (m²)	0.000089		
Point	224	ΔX	16609.776	ΔY	15943.503	ΔZ	17149.026	Code	SQUAD1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.015	Hz Prec	0.031	Vt Prec	0.045
QC 1		PDOP	1.8	GDOP	2.4	HDOP	1.1	VDOP	1.5
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000035	VCV xy (m²)	0.000030	VCV xz (m²)	-0.000016		
				VCV yy (m²)	0.000148	VCV yz (m²)	-0.000063		
						VCV zz (m²)	0.000094		
Point	225	ΔX	16610.245	ΔY	15943.105	ΔZ	17148.534	Code	SQUAD1
		Method	Network RTK	Type	Topo point	Search class	Normal		

Antenna height	5.906	Type	Uncorrected	Tilt distance	0.014	Hz Prec	0.031	Vt Prec	0.044
QC 1		PDOP	1.8	GDOP	2.4	HDOP	1.1	VDOP	1.5
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000033	VCV xy (m²)	0.000029	VCV xz (m²)	-0.000015		
				VCV yy (m²)	0.000143	VCV yz (m²)	-0.000060		
						VCV zz (m²)	0.000090		
Point	226	ΔX	16611.564	ΔY	15943.152	ΔZ	17148.607	Code	SQUAD1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.045	Hz Prec	0.030	Vt Prec	0.043
QC 1		PDOP	1.8	GDOP	2.4	HDOP	1.1	VDOP	1.5
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000032	VCV xy (m²)	0.000028	VCV xz (m²)	-0.000015		
				VCV yy (m²)	0.000138	VCV yz (m²)	-0.000058		
						VCV zz (m²)	0.000087		
Point	227	ΔX	16612.324	ΔY	15942.805	ΔZ	17148.278	Code	SQUAD1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.034	Hz Prec	0.030	Vt Prec	0.043
QC 1		PDOP	1.8	GDOP	2.4	HDOP	1.1	VDOP	1.5
		Base data age	1	Satellites	12	Positions used	3		

QC 2		VCV xx (m²)	0.000033	VCV xy (m²)	0.000028	VCV xz (m²)	-0.000015		
				VCV yy (m²)	0.000140	VCV yz (m²)	-0.000059		
						VCV zz (m²)	0.000088		
Point	228	ΔX	16613.896	ΔY	15940.906	ΔZ	17146.049	Code	SQUAD1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.014	Hz Prec	0.030	Vt Prec	0.043
QC 1		PDOP	1.9	GDOP	2.5	HDOP	1.2	VDOP	1.5
		Base data age	1	Satellites	11	Positions used	3		
QC 2		VCV xx (m²)	0.000031	VCV xy (m²)	0.000027	VCV xz (m²)	-0.000014		
				VCV yy (m²)	0.000134	VCV yz (m²)	-0.000057		
						VCV zz (m²)	0.000085		
Point	229	ΔX	16616.417	ΔY	15937.860	ΔZ	17142.820	Code	SQUAD1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.042	Hz Prec	0.030	Vt Prec	0.044
QC 1		PDOP	1.9	GDOP	2.5	HDOP	1.2	VDOP	1.5
		Base data age	1	Satellites	11	Positions used	3		
QC 2		VCV xx (m²)	0.000032	VCV xy (m²)	0.000027	VCV xz (m²)	-0.000013		
				VCV yy (m²)	0.000141	VCV yz (m²)	-0.000061		
						VCV zz (m²)	0.000091		
Point	230	ΔX	16618.532	ΔY	15935.107	ΔZ	17139.689	Code	SQUAD1

		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.029	Hz Prec	0.030	Vt Prec	0.043
QC 1		PDOP	1.9	GDOP	2.5	HDOP	1.2	VDOP	1.5
		Base data age	1	Satellites	11	Positions used	3		
QC 2		VCV xx (m²)	0.000031	VCV xy (m²)	0.000025	VCV xz (m²)	-0.000012		
				VCV yy (m²)	0.000135	VCV yz (m²)	-0.000060		
						VCV zz (m²)	0.000089		
Point	231	ΔX	16618.769	ΔY	15933.700	ΔZ	17138.250	Code	SQUAD1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.044	Hz Prec	0.030	Vt Prec	0.043
QC 1		PDOP	1.9	GDOP	2.5	HDOP	1.2	VDOP	1.5
		Base data age	1	Satellites	11	Positions used	3		
QC 2		VCV xx (m²)	0.000031	VCV xy (m²)	0.000025	VCV xz (m²)	-0.000011		
				VCV yy (m²)	0.000135	VCV yz (m²)	-0.000060		
						VCV zz (m²)	0.000089		
Point	232	ΔX	16627.956	ΔY	15875.811	ΔZ	17075.485	Code	EG1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.039	Hz Prec	0.029	Vt Prec	0.045
QC 1		PDOP	2.5	GDOP	3.4	HDOP	1.3	VDOP	2.1

		Base data age	2	Satellites	10	Positions used	3		
QC 2		VCV xx (m²)	0.000030	VCV xy (m²)	0.000022	VCV xz (m²)	-0.000006		
				VCV yy (m²)	0.000150	VCV yz (m²)	-0.000069		
						VCV zz (m²)	0.000091		
Point	233	ΔX	16622.711	ΔY	15875.207	ΔZ	17075.730	Code	EA1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.021	Hz Prec	0.029	Vt Prec	0.044
QC 1		PDOP	2.5	GDOP	3.4	HDOP	1.3	VDOP	2.1
		Base data age	1	Satellites	10	Positions used	3		
QC 2		VCV xx (m²)	0.000028	VCV xy (m²)	0.000021	VCV xz (m²)	-0.000006		
				VCV yy (m²)	0.000144	VCV yz (m²)	-0.000066		
						VCV zz (m²)	0.000087		
Point	234	ΔX	16616.626	ΔY	15874.549	ΔZ	17075.545	Code	FL1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.040	Hz Prec	0.029	Vt Prec	0.046
QC 1		PDOP	2.5	GDOP	3.4	HDOP	1.3	VDOP	2.1
		Base data age	2	Satellites	10	Positions used	3		
QC 2		VCV xx (m²)	0.000030	VCV xy (m²)	0.000022	VCV xz (m²)	-0.000006		
				VCV yy (m²)	0.000154	VCV yz (m²)	-0.000071		

						VCV zz (m²)	0.000093		
Point	235	ΔX	16604.991	ΔY	15872.920	ΔZ	17074.026	Code	CL1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.047	Hz Prec	0.029	Vt Prec	0.045
QC 1		PDOP	2.5	GDOP	3.3	HDOP	1.3	VDOP	2.1
		Base data age	1	Satellites	10	Positions used	3		
QC 2		VCV xx (m²)	0.000029	VCV xy (m²)	0.000021	VCV xz (m²)	-0.000005		
				VCV yy (m²)	0.000150	VCV yz (m²)	-0.000070		
						VCV zz (m²)	0.000091		
Point	236	ΔX	16593.397	ΔY	15872.373	ΔZ	17073.213	Code	FL2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.023	Hz Prec	0.029	Vt Prec	0.046
QC 1		PDOP	2.5	GDOP	3.3	HDOP	1.3	VDOP	2.1
		Base data age	1	Satellites	10	Positions used	3		
QC 2		VCV xx (m²)	0.000030	VCV xy (m²)	0.000021	VCV xz (m²)	-0.000005		
				VCV yy (m²)	0.000153	VCV yz (m²)	-0.000071		
						VCV zz (m²)	0.000093		
Point	237	ΔX	16587.090	ΔY	15872.120	ΔZ	17072.601	Code	EA2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.061	Hz Prec	0.029	Vt Prec	0.045

QC 1		PDOP	2.5	GDOP	3.3	HDOP	1.3	VDOP	2.1
		Base data age	1	Satellites	10	Positions used	3		
QC 2		VCV xx (m²)	0.000029	VCV xy (m²)	0.000021	VCV xz (m²)	-0.000005		
				VCV yy (m²)	0.000150	VCV yz (m²)	-0.000070		
						VCV zz (m²)	0.000090		
Point	238	ΔX	16582.644	ΔY	15871.020	ΔZ	17071.419	Code	EG2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.038	Hz Prec	0.029	Vt Prec	0.045
QC 1		PDOP	2.3	GDOP	3.1	HDOP	1.3	VDOP	1.9
		Base data age	1	Satellites	11	Positions used	3		
QC 2		VCV xx (m²)	0.000030	VCV xy (m²)	0.000021	VCV xz (m²)	-0.000005		
				VCV yy (m²)	0.000152	VCV yz (m²)	-0.000067		
						VCV zz (m²)	0.000083		
Point	239	ΔX	16587.893	ΔY	15818.575	ΔZ	17015.112	Code	EG2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.012	Hz Prec	0.028	Vt Prec	0.044
QC 1		PDOP	2.4	GDOP	3.3	HDOP	1.3	VDOP	2.0
		Base data age	2	Satellites	10	Positions used	3		
QC 2		VCV xx (m²)	0.000028	VCV xy (m²)	0.000019	VCV xz (m²)	-0.000004		

				VCV yy (m²)	0.000144	VCV yz (m²)	-0.000064		
						VCV zz (m²)	0.000079		
Point	240	ΔX	16592.487	ΔY	15819.032	ΔZ	17015.121	Code	EA2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.013	Hz Prec	0.029	Vt Prec	0.045
QC 1		PDOP	2.3	GDOP	3.1	HDOP	1.3	VDOP	1.9
		Base data age	1	Satellites	11	Positions used	3		
QC 2		VCV xx (m²)	0.000029	VCV xy (m²)	0.000020	VCV xz (m²)	-0.000004		
				VCV yy (m²)	0.000151	VCV yz (m²)	-0.000067		
						VCV zz (m²)	0.000082		
Point	241	ΔX	16599.063	ΔY	15817.546	ΔZ	17014.209	Code	FL2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.004	Hz Prec	0.028	Vt Prec	0.044
QC 1		PDOP	2.3	GDOP	3.1	HDOP	1.3	VDOP	1.9
		Base data age	1	Satellites	11	Positions used	3		
QC 2		VCV xx (m²)	0.000029	VCV xy (m²)	0.000020	VCV xz (m²)	-0.000004		
				VCV yy (m²)	0.000148	VCV yz (m²)	-0.000066		
						VCV zz (m²)	0.000080		
Point	242	ΔX	16610.459	ΔY	15817.790	ΔZ	17014.950	Code	CL1
		Method	Network RTK	Type	Topo point	Search class	Normal		

Antenna height	5.906	Type	Uncorrected	Tilt distance	0.009	Hz Prec	0.029	Vt Prec	0.044
QC 1		PDOP	2.3	GDOP	3.1	HDOP	1.3	VDOP	1.9
		Base data age	1	Satellites	11	Positions used	3		
QC 2		VCV xx (m²)	0.000029	VCV xy (m²)	0.000019	VCV xz (m²)	-0.000004		
				VCV yy (m²)	0.000150	VCV yz (m²)	-0.000067		
						VCV zz (m²)	0.000081		
Point	243	ΔX	16621.802	ΔY	15821.952	ΔZ	17018.617	Code	FL1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.007	Hz Prec	0.028	Vt Prec	0.044
QC 1		PDOP	2.3	GDOP	3.1	HDOP	1.3	VDOP	1.9
		Base data age	1	Satellites	11	Positions used	3		
QC 2		VCV xx (m²)	0.000028	VCV xy (m²)	0.000019	VCV xz (m²)	-0.000003		
				VCV yy (m²)	0.000146	VCV yz (m²)	-0.000065		
						VCV zz (m²)	0.000078		
Point	244	ΔX	16627.761	ΔY	15824.829	ΔZ	17021.169	Code	EA1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.016	Hz Prec	0.026	Vt Prec	0.041
QC 1		PDOP	2.3	GDOP	3.1	HDOP	1.3	VDOP	1.9
		Base data age	1	Satellites	11	Positions used	3		

QC 2		VCV xx (m²)	0.000023	VCV xy (m²)	0.000012	VCV xz (m²)	0.000000		
				VCV yy (m²)	0.000128	VCV yz (m²)	-0.000056		
						VCV zz (m²)	0.000070		
Point	245	ΔX	16633.438	ΔY	15824.619	ΔZ	17020.734	Code	EG1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.018	Hz Prec	0.027	Vt Prec	0.043
QC 1		PDOP	2.3	GDOP	3.1	HDOP	1.3	VDOP	1.9
		Base data age	1	Satellites	11	Positions used	3		
QC 2		VCV xx (m²)	0.000026	VCV xy (m²)	0.000015	VCV xz (m²)	-0.000001		
				VCV yy (m²)	0.000139	VCV yz (m²)	-0.000061		
						VCV zz (m²)	0.000075		
Point	246	ΔX	16636.971	ΔY	15784.534	ΔZ	16977.293	Code	EG1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.041	Hz Prec	0.029	Vt Prec	0.045
QC 1		PDOP	2.3	GDOP	3.1	HDOP	1.3	VDOP	1.9
		Base data age	2	Satellites	11	Positions used	3		
QC 2		VCV xx (m²)	0.000029	VCV xy (m²)	0.000018	VCV xz (m²)	-0.000002		
				VCV yy (m²)	0.000157	VCV yz (m²)	-0.000070		
						VCV zz (m²)	0.000084		
Point	247	ΔX	16632.709	ΔY	15784.519	ΔZ	16977.762	Code	EA1

		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.008	Hz Prec	0.028	Vt Prec	0.044
QC 1		PDOP	2.4	GDOP	3.3	HDOP	1.3	VDOP	2.0
		Base data age	1	Satellites	10	Positions used	3		
QC 2		VCV xx (m²)	0.000028	VCV xy (m²)	0.000016	VCV xz (m²)	-0.000001		
				VCV yy (m²)	0.000148	VCV yz (m²)	-0.000067		
						VCV zz (m²)	0.000080		
Point	248	ΔX	16626.359	ΔY	15784.305	ΔZ	16977.996	Code	FL1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.035	Hz Prec	0.028	Vt Prec	0.045
QC 1		PDOP	2.4	GDOP	3.3	HDOP	1.3	VDOP	2.0
		Base data age	1	Satellites	10	Positions used	3		
QC 2		VCV xx (m²)	0.000028	VCV xy (m²)	0.000016	VCV xz (m²)	-0.000001		
				VCV yy (m²)	0.000148	VCV yz (m²)	-0.000068		
						VCV zz (m²)	0.000081		
Point	249	ΔX	16614.513	ΔY	15783.914	ΔZ	16977.771	Code	CL1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.063	Hz Prec	0.032	Vt Prec	0.050
QC 1		PDOP	2.4	GDOP	3.3	HDOP	1.3	VDOP	2.0

		Base data age	2	Satellites	10	Positions used	3		
QC 2		VCV xx (m²)	0.000036	VCV xy (m²)	0.000020	VCV xz (m²)	-0.000001		
				VCV yy (m²)	0.000190	VCV yz (m²)	-0.000086		
						VCV zz (m²)	0.000100		
Point	250	ΔX	16602.789	ΔY	15783.119	ΔZ	16977.150	Code	FL2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.031	Hz Prec	0.029	Vt Prec	0.046
QC 1		PDOP	2.4	GDOP	3.3	HDOP	1.3	VDOP	2.0
		Base data age	1	Satellites	10	Positions used	3		
QC 2		VCV xx (m²)	0.000030	VCV xy (m²)	0.000016	VCV xz (m²)	0.000000		
				VCV yy (m²)	0.000159	VCV yz (m²)	-0.000073		
						VCV zz (m²)	0.000085		
Point	251	ΔX	16596.302	ΔY	15782.472	ΔZ	16976.628	Code	EA2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.033	Hz Prec	0.033	Vt Prec	0.054
QC 1		PDOP	2.4	GDOP	3.3	HDOP	1.3	VDOP	2.0
		Base data age	1	Satellites	10	Positions used	3		
QC 2		VCV xx (m²)	0.000041	VCV xy (m²)	0.000022	VCV xz (m²)	0.000000		
				VCV yy (m²)	0.000216	VCV yz (m²)	-0.000101		

						VCV zz (m²)	0.000117		
Point	252	ΔX	16591.570	ΔY	15783.691	ΔZ	16977.585	Code	EG2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.035	Hz Prec	0.033	Vt Prec	0.054
QC 1		PDOP	2.4	GDOP	3.3	HDOP	1.3	VDOP	2.0
		Base data age	1	Satellites	10	Positions used	3		
QC 2		VCV xx (m²)	0.000040	VCV xy (m²)	0.000021	VCV xz (m²)	0.000001		
				VCV yy (m²)	0.000214	VCV yz (m²)	-0.000101		
						VCV zz (m²)	0.000117		
Point	253	ΔX	16593.625	ΔY	15730.040	ΔZ	16919.092	Code	EG2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.049	Hz Prec	0.029	Vt Prec	0.044
QC 1		PDOP	2.0	GDOP	2.6	HDOP	1.1	VDOP	1.6
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000031	VCV xy (m²)	0.000020	VCV xz (m²)	-0.000002		
				VCV yy (m²)	0.000147	VCV yz (m²)	-0.000065		
						VCV zz (m²)	0.000079		
Point	254	ΔX	16600.637	ΔY	15730.256	ΔZ	16920.245	Code	EA2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.042	Hz Prec	0.030	Vt Prec	0.046

QC 1		PDOP	2.0	GDOP	2.6	HDOP	1.1	VDOP	1.6
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000034	VCV xy (m²)	0.000022	VCV xz (m²)	-0.000002		
				VCV yy (m²)	0.000162	VCV yz (m²)	-0.000072		
						VCV zz (m²)	0.000087		
Point	255	ΔX	16608.950	ΔY	15730.172	ΔZ	16920.375	Code	FL2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.026	Hz Prec	0.030	Vt Prec	0.047
QC 1		PDOP	2.0	GDOP	2.6	HDOP	1.1	VDOP	1.6
		Base data age	2	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000035	VCV xy (m²)	0.000022	VCV xz (m²)	-0.000002		
				VCV yy (m²)	0.000164	VCV yz (m²)	-0.000073		
						VCV zz (m²)	0.000088		
Point	256	ΔX	16620.940	ΔY	15730.869	ΔZ	16921.075	Code	CL1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.036	Hz Prec	0.030	Vt Prec	0.045
QC 1		PDOP	2.0	GDOP	2.6	HDOP	1.1	VDOP	1.6
		Base data age	2	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000033	VCV xy (m²)	0.000021	VCV xz (m²)	-0.000002		

				VCV yy (m²)	0.000155	VCV yz (m²)	-0.000069		
						VCV zz (m²)	0.000084		
Point	257	ΔX	16632.518	ΔY	15731.732	ΔZ	16921.728	Code	FL1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.039	Hz Prec	0.029	Vt Prec	0.045
QC 1		PDOP	2.0	GDOP	2.6	HDOP	1.1	VDOP	1.6
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000032	VCV xy (m²)	0.000020	VCV xz (m²)	-0.000002		
				VCV yy (m²)	0.000150	VCV yz (m²)	-0.000067		
						VCV zz (m²)	0.000081		
Point	258	ΔX	16638.835	ΔY	15732.440	ΔZ	16922.166	Code	EA1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.011	Hz Prec	0.033	Vt Prec	0.051
QC 1		PDOP	2.0	GDOP	2.6	HDOP	1.1	VDOP	1.6
		Base data age	3	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000043	VCV xy (m²)	0.000036	VCV xz (m²)	-0.000009		
				VCV yy (m²)	0.000203	VCV yz (m²)	-0.000088		
						VCV zz (m²)	0.000101		
Point	259	ΔX	16643.442	ΔY	15732.447	ΔZ	16921.576	Code	EG1
		Method	Network RTK	Type	Topo point	Search class	Normal		

Antenna height	5.906	Type	Uncorrected	Tilt distance	0.020	Hz Prec	0.030	Vt Prec	0.046
QC 1		PDOP	2.0	GDOP	2.6	HDOP	1.1	VDOP	1.6
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000034	VCV xy (m²)	0.000021	VCV xz (m²)	-0.000002		
				VCV yy (m²)	0.000160	VCV yz (m²)	-0.000071		
						VCV zz (m²)	0.000086		
Point	260	ΔX	16599.192	ΔY	15711.034	ΔZ	16898.591	Code	EG2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.009	Hz Prec	0.029	Vt Prec	0.044
QC 1		PDOP	2.0	GDOP	2.6	HDOP	1.1	VDOP	1.6
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000032	VCV xy (m²)	0.000020	VCV xz (m²)	-0.000002		
				VCV yy (m²)	0.000151	VCV yz (m²)	-0.000066		
						VCV zz (m²)	0.000077		
Point	261	ΔX	16604.953	ΔY	15710.399	ΔZ	16898.906	Code	EA2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.028	Hz Prec	0.028	Vt Prec	0.043
QC 1		PDOP	2.0	GDOP	2.6	HDOP	1.1	VDOP	1.6
		Base data age	1	Satellites	12	Positions used	3		

QC 2		VCV xx (m²)	0.000030	VCV xy (m²)	0.000019	VCV xz (m²)	-0.000002		
				VCV yy (m²)	0.000142	VCV yz (m²)	-0.000063		
						VCV zz (m²)	0.000074		
Point	262	ΔX	16617.839	ΔY	15555.603	ΔZ	16730.753	Code	EG2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.054	Hz Prec	0.030	Vt Prec	0.046
QC 1		PDOP	2.0	GDOP	2.6	HDOP	1.1	VDOP	1.6
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000035	VCV xy (m²)	0.000023	VCV xz (m²)	-0.000003		
				VCV yy (m²)	0.000166	VCV yz (m²)	-0.000072		
						VCV zz (m²)	0.000085		
Point	263	ΔX	16625.112	ΔY	15555.547	ΔZ	16731.648	Code	EA2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.020	Hz Prec	0.029	Vt Prec	0.045
QC 1		PDOP	1.9	GDOP	2.6	HDOP	1.0	VDOP	1.6
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000033	VCV xy (m²)	0.000021	VCV xz (m²)	-0.000002		
				VCV yy (m²)	0.000156	VCV yz (m²)	-0.000069		
						VCV zz (m²)	0.000081		
Point	264	ΔX	16631.003	ΔY	15555.234	ΔZ	16731.723	Code	FL2

		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.031	Hz Prec	0.032	Vt Prec	0.049
QC 1		PDOP	1.9	GDOP	2.6	HDOP	1.0	VDOP	1.6
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000038	VCV xy (m²)	0.000023	VCV xz (m²)	-0.000002		
				VCV yy (m²)	0.000181	VCV yz (m²)	-0.000080		
						VCV zz (m²)	0.000095		
Point	265	ΔX	16643.142	ΔY	15554.264	ΔZ	16731.315	Code	CL1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.015	Hz Prec	0.032	Vt Prec	0.050
QC 1		PDOP	1.9	GDOP	2.6	HDOP	1.0	VDOP	1.6
		Base data age	2	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000039	VCV xy (m²)	0.000024	VCV xz (m²)	-0.000002		
				VCV yy (m²)	0.000188	VCV yz (m²)	-0.000084		
						VCV zz (m²)	0.000099		
Point	266	ΔX	16654.828	ΔY	15554.667	ΔZ	16731.772	Code	FL1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.064	Hz Prec	0.031	Vt Prec	0.048
QC 1		PDOP	1.9	GDOP	2.6	HDOP	1.0	VDOP	1.6

		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000035	VCV xy (m²)	0.000018	VCV xz (m²)	0.000002		
				VCV yy (m²)	0.000175	VCV yz (m²)	-0.000076		
						VCV zz (m²)	0.000093		
Point	267	ΔX	16661.362	ΔY	15554.861	ΔZ	16732.194	Code	EA1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.012	Hz Prec	0.029	Vt Prec	0.045
QC 1		PDOP	1.9	GDOP	2.6	HDOP	1.0	VDOP	1.6
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000032	VCV xy (m²)	0.000017	VCV xz (m²)	0.000001		
				VCV yy (m²)	0.000157	VCV yz (m²)	-0.000069		
						VCV zz (m²)	0.000083		
Point	268	ΔX	16666.415	ΔY	15554.671	ΔZ	16731.651	Code	EG1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.015	Hz Prec	0.032	Vt Prec	0.050
QC 1		PDOP	2.5	GDOP	3.3	HDOP	1.3	VDOP	2.1
		Base data age	1	Satellites	11	Positions used	3		
QC 2		VCV xx (m²)	0.000041	VCV xy (m²)	0.000029	VCV xz (m²)	-0.000006		
				VCV yy (m²)	0.000187	VCV yz (m²)	-0.000086		

						VCV zz (m²)	0.000098		
Point	269	ΔX	16658.451	ΔY	15522.766	ΔZ	16697.380	Code	GLASS
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.029	Hz Prec	0.027	Vt Prec	0.043
QC 1		PDOP	2.0	GDOP	2.6	HDOP	1.0	VDOP	1.7
		Base data age	1	Satellites	11	Positions used	3		
QC 2		VCV xx (m²)	0.000029	VCV xy (m²)	0.000016	VCV xz (m²)	0.000000		
				VCV yy (m²)	0.000138	VCV yz (m²)	-0.000063		
						VCV zz (m²)	0.000073		
Point	270	ΔX	16647.129	ΔY	15511.127	ΔZ	16685.151	Code	GLASS
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.040	Hz Prec	0.027	Vt Prec	0.043
QC 1		PDOP	1.9	GDOP	2.6	HDOP	1.0	VDOP	1.6
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000029	VCV xy (m²)	0.000016	VCV xz (m²)	-0.000001		
				VCV yy (m²)	0.000139	VCV yz (m²)	-0.000062		
						VCV zz (m²)	0.000071		
Point	271	ΔX	16642.585	ΔY	15497.755	ΔZ	16670.723	Code	GLASS
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.016	Hz Prec	0.029	Vt Prec	0.046

QC 1		PDOP	2.0	GDOP	2.6	HDOP	1.0	VDOP	1.7
		Base data age	1	Satellites	11	Positions used	3		
QC 2		VCV xx (m²)	0.000033	VCV xy (m²)	0.000014	VCV xz (m²)	0.000003		
				VCV yy (m²)	0.000156	VCV yz (m²)	-0.000074		
						VCV zz (m²)	0.000086		
Point	272	ΔX	16646.140	ΔY	15478.396	ΔZ	16649.858	Code	GLASS
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.014	Hz Prec	0.029	Vt Prec	0.046
QC 1		PDOP	2.0	GDOP	2.6	HDOP	1.0	VDOP	1.7
		Base data age	1	Satellites	11	Positions used	3		
QC 2		VCV xx (m²)	0.000033	VCV xy (m²)	0.000014	VCV xz (m²)	0.000003		
				VCV yy (m²)	0.000154	VCV yz (m²)	-0.000075		
						VCV zz (m²)	0.000087		
Point	273	ΔX	16649.309	ΔY	15447.601	ΔZ	16616.943	Code	GLASS
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.029	Hz Prec	0.030	Vt Prec	0.048
QC 1		PDOP	2.0	GDOP	2.6	HDOP	1.0	VDOP	1.7
		Base data age	1	Satellites	11	Positions used	3		
QC 2		VCV xx (m²)	0.000035	VCV xy (m²)	0.000014	VCV xz (m²)	0.000004		

				VCV yy (m²)	0.000165	VCV yz (m²)	-0.000081		
						VCV zz (m²)	0.000095		
Point	274	ΔX	16652.559	ΔY	15419.963	ΔZ	16587.319	Code	GLASS
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.022	Hz Prec	0.030	Vt Prec	0.048
QC 1		PDOP	1.6	GDOP	2.1	HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000038	VCV xy (m²)	0.000016	VCV xz (m²)	0.000003		
				VCV yy (m²)	0.000168	VCV yz (m²)	-0.000080		
						VCV zz (m²)	0.000094		
Point	275	ΔX	16657.134	ΔY	15406.442	ΔZ	16573.186	Code	GLASS
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.028	Hz Prec	0.029	Vt Prec	0.046
QC 1		PDOP	1.6	GDOP	2.1	HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000034	VCV xy (m²)	0.000015	VCV xz (m²)	0.000003		
				VCV yy (m²)	0.000152	VCV yz (m²)	-0.000073		
						VCV zz (m²)	0.000087		
Point	276	ΔX	16663.791	ΔY	15389.337	ΔZ	16555.301	Code	GLASS
		Method	Network RTK	Type	Topo point	Search class	Normal		

Antenna height	5.906	Type	Uncorrected	Tilt distance	0.030	Hz Prec	0.029	Vt Prec	0.046
QC 1		PDOP	1.6	GDOP	2.1	HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000034	VCV xy (m²)	0.000015	VCV xz (m²)	0.000003		
				VCV yy (m²)	0.000153	VCV yz (m²)	-0.000074		
						VCV zz (m²)	0.000089		
Point	277	ΔX	16676.196	ΔY	15385.725	ΔZ	16551.485	Code	GLASS
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.042	Hz Prec	0.029	Vt Prec	0.046
QC 1		PDOP	1.9	GDOP	2.6	HDOP	1.0	VDOP	1.7
		Base data age	1	Satellites	11	Positions used	3		
QC 2		VCV xx (m²)	0.000033	VCV xy (m²)	0.000014	VCV xz (m²)	0.000003		
				VCV yy (m²)	0.000150	VCV yz (m²)	-0.000073		
						VCV zz (m²)	0.000087		
Point	278	ΔX	16686.020	ΔY	15394.247	ΔZ	16560.364	Code	GLASS
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.028	Hz Prec	0.031	Vt Prec	0.048
QC 1		PDOP	1.6	GDOP	2.1	HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	12	Positions used	3		

QC 2		VCV xx (m²)	0.000038	VCV xy (m²)	0.000016	VCV xz (m²)	0.000003		
				VCV yy (m²)	0.000168	VCV yz (m²)	-0.000082		
						VCV zz (m²)	0.000099		
Point	279	ΔX	16683.897	ΔY	15421.303	ΔZ	16588.387	Code	GLASS
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.012	Hz Prec	0.033	Vt Prec	0.053
QC 1		PDOP	2.0	GDOP	2.6	HDOP	1.2	VDOP	1.6
		Base data age	2	Satellites	12	Positions used	2		
QC 2		VCV xx (m²)	0.000047	VCV xy (m²)	0.000028	VCV xz (m²)	-0.000005		
				VCV yy (m²)	0.000200	VCV yz (m²)	-0.000103		
						VCV zz (m²)	0.000116		

Warnings (279)

Poor precision

Point	280	ΔX	16669.272	ΔY	15510.367	ΔZ	16684.283	Code	GLASS
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.009	Hz Prec	0.051	Vt Prec	0.081
QC 1		PDOP	1.6	GDOP	2.1	HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000104	VCV xy (m²)	0.000041	VCV xz (m²)	0.000010		
				VCV yy (m²)	0.000471	VCV yz (m²)	-0.000232		
						VCV zz (m²)	0.000275		

Point	281	ΔX	16669.582	ΔY	15460.909	ΔZ	16631.581	Code	GLAS2
		Description 1	SOUAD	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.018	Hz Prec	0.053	Vt Prec	0.088
QC 1		PDOP	2.0	GDOP	2.6	HDOP	1.1	VDOP	1.6
		Base data age	1	Satellites	11	Positions used	3		
QC 2		VCV xx (m²)	0.000132	VCV xy (m²)	0.000093	VCV xz (m²)	-0.000031		
				VCV yy (m²)	0.000546	VCV yz (m²)	-0.000289		
						VCV zz (m²)	0.000308		

Point	282	ΔX	16672.413	ΔY	15442.132	ΔZ	16611.421	Code	GLAS2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.044	Hz Prec	0.062	Vt Prec	0.098
QC 1		PDOP	2.0	GDOP	2.6	HDOP	1.1	VDOP	1.6
		Base data age	2	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000155	VCV xy (m²)	0.000062	VCV xz (m²)	0.000011		
				VCV yy (m²)	0.000683	VCV yz (m²)	-0.000337		
						VCV zz (m²)	0.000402		

Point	283	ΔX	16676.115	ΔY	15414.778	ΔZ	16582.349	Code	GLAS2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.040	Hz Prec	0.028	Vt Prec	0.045
QC 1		PDOP	1.6	GDOP	2.1	HDOP	0.9	VDOP	1.3

		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000033	VCV xy (m²)	0.000013	VCV xz (m²)	0.000002		
				VCV yy (m²)	0.000145	VCV yz (m²)	-0.000072		
						VCV zz (m²)	0.000086		
Point	284	ΔX	16696.982	ΔY	15316.744	ΔZ	16477.654	Code	EG1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.025	Hz Prec	0.030	Vt Prec	0.049
QC 1		PDOP	2.0	GDOP	2.6	HDOP	1.1	VDOP	1.6
		Base data age	1	Satellites	11	Positions used	3		
QC 2		VCV xx (m²)	0.000041	VCV xy (m²)	0.000027	VCV xz (m²)	-0.000009		
				VCV yy (m²)	0.000168	VCV yz (m²)	-0.000090		
						VCV zz (m²)	0.000100		
Point	285	ΔX	16692.111	ΔY	15316.967	ΔZ	16478.177	Code	EA1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.018	Hz Prec	0.030	Vt Prec	0.050
QC 1		PDOP	2.0	GDOP	2.6	HDOP	1.1	VDOP	1.6
		Base data age	1	Satellites	11	Positions used	3		
QC 2		VCV xx (m²)	0.000042	VCV xy (m²)	0.000029	VCV xz (m²)	-0.000010		
				VCV yy (m²)	0.000174	VCV yz (m²)	-0.000094		

						VCV zz (m²)	0.000104		
Point	286	ΔX	16685.920	ΔY	15316.421	ΔZ	16477.868	Code	FL1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.022	Hz Prec	0.028	Vt Prec	0.046
QC 1		PDOP	2.0	GDOP	2.6	HDOP	1.1	VDOP	1.6
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000038	VCV xy (m²)	0.000029	VCV xz (m²)	-0.000012		
				VCV yy (m²)	0.000151	VCV yz (m²)	-0.000079		
						VCV zz (m²)	0.000086		
Point	287	ΔX	16674.026	ΔY	15315.392	ΔZ	16476.890	Code	CL1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.039	Hz Prec	0.029	Vt Prec	0.047
QC 1		PDOP	1.9	GDOP	2.5	HDOP	1.1	VDOP	1.6
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000038	VCV xy (m²)	0.000030	VCV xz (m²)	-0.000013		
				VCV yy (m²)	0.000153	VCV yz (m²)	-0.000080		
						VCV zz (m²)	0.000088		
Point	288	ΔX	16662.073	ΔY	15314.950	ΔZ	16475.692	Code	FL1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.035	Hz Prec	0.029	Vt Prec	0.048

QC 1		PDOP	1.9	GDOP	2.5	HDOP	1.1	VDOP	1.6
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000040	VCV xy (m²)	0.000031	VCV xz (m²)	-0.000014		
				VCV yy (m²)	0.000159	VCV yz (m²)	-0.000084		
						VCV zz (m²)	0.000092		
Point	289	ΔX	16656.087	ΔY	15314.740	ΔZ	16474.906	Code	EA1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.040	Hz Prec	0.029	Vt Prec	0.048
QC 1		PDOP	1.9	GDOP	2.5	HDOP	1.1	VDOP	1.6
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000040	VCV xy (m²)	0.000031	VCV xz (m²)	-0.000014		
				VCV yy (m²)	0.000159	VCV yz (m²)	-0.000084		
						VCV zz (m²)	0.000092		
Point	290	ΔX	16650.846	ΔY	15314.045	ΔZ	16473.223	Code	EG1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.022	Hz Prec	0.029	Vt Prec	0.048
QC 1		PDOP	1.9	GDOP	2.5	HDOP	1.1	VDOP	1.6
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000040	VCV xy (m²)	0.000031	VCV xz (m²)	-0.000014		

				VCV yy (m²)	0.000159	VCV yz (m²)	-0.000084		
						VCV zz (m²)	0.000092		
Point	291	ΔX	16695.288	ΔY	15243.814	ΔZ	16401.189	Code	FL1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.051	Hz Prec	0.029	Vt Prec	0.050
QC 1		PDOP	2.0	GDOP	2.6	HDOP	1.1	VDOP	1.6
		Base data age	1	Satellites	11	Positions used	3		
QC 2		VCV xx (m²)	0.000040	VCV xy (m²)	0.000029	VCV xz (m²)	-0.000012		
				VCV yy (m²)	0.000165	VCV yz (m²)	-0.000092		
						VCV zz (m²)	0.000101		
Point	292	ΔX	16701.377	ΔY	15244.022	ΔZ	16401.241	Code	EA1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.036	Hz Prec	0.029	Vt Prec	0.049
QC 1		PDOP	2.0	GDOP	2.6	HDOP	1.1	VDOP	1.6
		Base data age	1	Satellites	11	Positions used	3		
QC 2		VCV xx (m²)	0.000040	VCV xy (m²)	0.000029	VCV xz (m²)	-0.000012		
				VCV yy (m²)	0.000164	VCV yz (m²)	-0.000092		
						VCV zz (m²)	0.000101		
Point	293	ΔX	16705.965	ΔY	15244.049	ΔZ	16400.734	Code	EG1
		Method	Network RTK	Type	Topo point	Search class	Normal		

Antenna height	5.906	Type	Uncorrected	Tilt distance	0.004	Hz Prec	0.030	Vt Prec	0.051
QC 1		PDOP	2.0	GDOP	2.6	HDOP	1.1	VDOP	1.6
		Base data age	2	Satellites	11	Positions used	3		
QC 2		VCV xx (m²)	0.000042	VCV xy (m²)	0.000030	VCV xz (m²)	-0.000013		
				VCV yy (m²)	0.000172	VCV yz (m²)	-0.000096		
						VCV zz (m²)	0.000106		
Point	294	ΔX	16705.633	ΔY	15203.946	ΔZ	16359.126	Code	FL1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.026	Hz Prec	0.029	Vt Prec	0.049
QC 1		PDOP	2.0	GDOP	2.6	HDOP	1.1	VDOP	1.6
		Base data age	1	Satellites	11	Positions used	3		
QC 2		VCV xx (m²)	0.000040	VCV xy (m²)	0.000028	VCV xz (m²)	-0.000012		
				VCV yy (m²)	0.000162	VCV yz (m²)	-0.000091		
						VCV zz (m²)	0.000101		
Point	295	ΔX	16706.738	ΔY	15204.414	ΔZ	16359.370	Code	EA1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.004	Hz Prec	0.029	Vt Prec	0.049
QC 1		PDOP	2.0	GDOP	2.6	HDOP	1.1	VDOP	1.6
		Base data age	1	Satellites	11	Positions used	3		

QC 2		VCV xx (m²)	0.000039	VCV xy (m²)	0.000027	VCV xz (m²)	-0.000012		
				VCV yy (m²)	0.000159	VCV yz (m²)	-0.000090		
						VCV zz (m²)	0.000099		
Point	296	ΔX	16719.433	ΔY	15194.829	ΔZ	16349.715	Code	EA1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.010	Hz Prec	0.030	Vt Prec	0.051
QC 1		PDOP	2.0	GDOP	2.6	HDOP	1.0	VDOP	1.6
		Base data age	1	Satellites	11	Positions used	3		
QC 2		VCV xx (m²)	0.000042	VCV xy (m²)	0.000029	VCV xz (m²)	-0.000013		
				VCV yy (m²)	0.000173	VCV yz (m²)	-0.000098		
						VCV zz (m²)	0.000109		
Point	297	ΔX	16725.340	ΔY	15154.237	ΔZ	16307.401	Code	EA1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.028	Hz Prec	0.029	Vt Prec	0.050
QC 1		PDOP	2.0	GDOP	2.6	HDOP	1.0	VDOP	1.6
		Base data age	1	Satellites	11	Positions used	3		
QC 2		VCV xx (m²)	0.000041	VCV xy (m²)	0.000028	VCV xz (m²)	-0.000012		
				VCV yy (m²)	0.000166	VCV yz (m²)	-0.000094		
						VCV zz (m²)	0.000105		
Point	298	ΔX	16714.347	ΔY	15144.591	ΔZ	16296.761	Code	EA1

		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.036	Hz Prec	0.028	Vt Prec	0.049
QC 1		PDOP	2.0	GDOP	2.6	HDOP	1.0	VDOP	1.6
		Base data age	1	Satellites	11	Positions used	3		
QC 2		VCV xx (m²)	0.000038	VCV xy (m²)	0.000026	VCV xz (m²)	-0.000012		
				VCV yy (m²)	0.000157	VCV yz (m²)	-0.000089		
						VCV zz (m²)	0.000099		
Point	299	ΔX	16723.104	ΔY	15149.404	ΔZ	16301.838	Code	EG3
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.022	Hz Prec	0.032	Vt Prec	0.055
QC 1		PDOP	2.0	GDOP	2.6	HDOP	1.0	VDOP	1.7
		Base data age	3	Satellites	11	Positions used	3		
QC 2		VCV xx (m²)	0.000049	VCV xy (m²)	0.000036	VCV xz (m²)	-0.000018		
				VCV yy (m²)	0.000197	VCV yz (m²)	-0.000113		
						VCV zz (m²)	0.000125		
Point	300	ΔX	16719.332	ΔY	15141.678	ΔZ	16293.421	Code	EG3
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.018	Hz Prec	0.030	Vt Prec	0.051
QC 1		PDOP	2.0	GDOP	2.6	HDOP	1.0	VDOP	1.7

		Base data age	1	Satellites	11	Positions used	3		
QC 2		VCV xx (m²)	0.000042	VCV xy (m²)	0.000029	VCV xz (m²)	-0.000013		
				VCV yy (m²)	0.000174	VCV yz (m²)	-0.000099		
						VCV zz (m²)	0.000111		
Point	301	ΔX	16708.089	ΔY	15142.720	ΔZ	16295.041	Code	FL3
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.055	Hz Prec	0.027	Vt Prec	0.046
QC 1		PDOP	2.0	GDOP	2.6	HDOP	1.0	VDOP	1.7
		Base data age	2	Satellites	11	Positions used	3		
QC 2		VCV xx (m²)	0.000035	VCV xy (m²)	0.000024	VCV xz (m²)	-0.000011		
				VCV yy (m²)	0.000138	VCV yz (m²)	-0.000079		
						VCV zz (m²)	0.000091		
Point	302	ΔX	16751.823	ΔY	14874.215	ΔZ	16012.910	Code	EG3
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.021	Hz Prec	0.024	Vt Prec	0.039
QC 1		PDOP	1.6	GDOP	2.1	HDOP	0.9	VDOP	1.4
		Base data age	2	Satellites	12	Positions used	2		
QC 2		VCV xx (m²)	0.000025	VCV xy (m²)	0.000010	VCV xz (m²)	-0.000001		
				VCV yy (m²)	0.000105	VCV yz (m²)	-0.000054		

						VCV zz (m²)	0.000067		
Point	303	ΔX	16748.241	ΔY	14873.625	ΔZ	16012.555	Code	EA1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.016	Hz Prec	0.024	Vt Prec	0.038
QC 1		PDOP	1.6	GDOP	2.1	HDOP	0.9	VDOP	1.4
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000024	VCV xy (m²)	0.000008	VCV xz (m²)	0.000001		
				VCV yy (m²)	0.000100	VCV yz (m²)	-0.000052		
						VCV zz (m²)	0.000064		
Point	304	ΔX	16742.362	ΔY	14872.564	ΔZ	16011.512	Code	FL3
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.028	Hz Prec	0.024	Vt Prec	0.038
QC 1		PDOP	1.6	GDOP	2.1	HDOP	0.8	VDOP	1.4
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000023	VCV xy (m²)	0.000008	VCV xz (m²)	0.000001		
				VCV yy (m²)	0.000099	VCV yz (m²)	-0.000051		
						VCV zz (m²)	0.000063		
Point	305	ΔX	16730.100	ΔY	14871.395	ΔZ	16010.287	Code	CL1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.033	Hz Prec	0.023	Vt Prec	0.037

QC 1		PDOP	1.6	GDOP	2.1	HDOP	0.8	VDOP	1.4
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000023	VCV xy (m²)	0.000007	VCV xz (m²)	0.000001		
				VCV yy (m²)	0.000096	VCV yz (m²)	-0.000050		
						VCV zz (m²)	0.000062		
Point	306	ΔX	16718.556	ΔY	14869.072	ΔZ	16007.188	Code	FL2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.025	Hz Prec	0.026	Vt Prec	0.042
QC 1		PDOP	1.6	GDOP	2.1	HDOP	0.8	VDOP	1.4
		Base data age	2	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000029	VCV xy (m²)	0.000009	VCV xz (m²)	0.000001		
				VCV yy (m²)	0.000123	VCV yz (m²)	-0.000064		
						VCV zz (m²)	0.000079		
Point	307	ΔX	16712.686	ΔY	14868.620	ΔZ	16006.228	Code	EA2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.040	Hz Prec	0.025	Vt Prec	0.039
QC 1		PDOP	1.6	GDOP	2.1	HDOP	0.8	VDOP	1.4
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000025	VCV xy (m²)	0.000008	VCV xz (m²)	0.000001		

				VCV yy (m²)	0.000106	VCV yz (m²)	-0.000056		
						VCV zz (m²)	0.000069		
Point	308	ΔX	16709.149	ΔY	14868.293	ΔZ	16005.560	Code	EG2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.035	Hz Prec	0.025	Vt Prec	0.040
QC 1		PDOP	1.6	GDOP	2.1	HDOP	0.8	VDOP	1.4
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000026	VCV xy (m²)	0.000008	VCV xz (m²)	0.000001		
				VCV yy (m²)	0.000109	VCV yz (m²)	-0.000057		
						VCV zz (m²)	0.000071		

Point	309	ΔX	16753.865	ΔY	14788.400	ΔZ	15923.724	Code	AXL5
		Description 1	SOUAD	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.056	Hz Prec	0.025	Vt Prec	0.043
QC 1		PDOP	2.0	GDOP	2.6	HDOP	1.0	VDOP	1.7
		Base data age	1	Satellites	11	Positions used	3		
QC 2		VCV xx (m²)	0.000029	VCV xy (m²)	0.000017	VCV xz (m²)	-0.000008		
				VCV yy (m²)	0.000120	VCV yz (m²)	-0.000070		
						VCV zz (m²)	0.000082		
Point	310	ΔX	16760.617	ΔY	14788.922	ΔZ	15924.093	Code	AXL5

		Description 1	SOUAD	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.009	Hz Prec	0.025	Vt Prec	0.043
QC 1		PDOP	2.0	GDOP	2.6	HDOP	1.0	VDOP	1.7
		Base data age	1	Satellites	11	Positions used	3		
QC 2		VCV xx (m²)	0.000029	VCV xy (m²)	0.000017	VCV xz (m²)	-0.000008		
				VCV yy (m²)	0.000118	VCV yz (m²)	-0.000070		
						VCV zz (m²)	0.000081		
Point	311	ΔX	16761.680	ΔY	14782.357	ΔZ	15917.320	Code	AXL6
		Description 1	SOUAD	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.024	Hz Prec	0.024	Vt Prec	0.042
QC 1		PDOP	2.0	GDOP	2.6	HDOP	1.0	VDOP	1.7
		Base data age	1	Satellites	11	Positions used	3		
QC 2		VCV xx (m²)	0.000027	VCV xy (m²)	0.000016	VCV xz (m²)	-0.000008		
				VCV yy (m²)	0.000113	VCV yz (m²)	-0.000067		
						VCV zz (m²)	0.000079		
Point	312	ΔX	16755.063	ΔY	14781.870	ΔZ	15916.942	Code	AXL6
		Description 1	SOUAD	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		

Antenna height	5.906	Type	Uncorrected	Tilt distance	0.050	Hz Prec	0.024	Vt Prec	0.042
QC 1		PDOP	2.0	GDOP	2.7	HDOP	1.0	VDOP	1.7
		Base data age	1	Satellites	11	Positions used	3		
QC 2		VCV xx (m²)	0.000027	VCV xy (m²)	0.000016	VCV xz (m²)	-0.000008		
				VCV yy (m²)	0.000111	VCV yz (m²)	-0.000066		
						VCV zz (m²)	0.000078		
Point	313	ΔX	16755.065	ΔY	14781.870	ΔZ	15916.880	Code	AXL6
		Description 1	SOUAD	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.012	Hz Prec	0.024	Vt Prec	0.043
QC 1		PDOP	2.0	GDOP	2.7	HDOP	1.0	VDOP	1.7
		Base data age	1	Satellites	11	Positions used	3		
QC 2		VCV xx (m²)	0.000028	VCV xy (m²)	0.000016	VCV xz (m²)	-0.000008		
				VCV yy (m²)	0.000115	VCV yz (m²)	-0.000069		
						VCV zz (m²)	0.000081		
Point	314	ΔX	16758.760	ΔY	14779.407	ΔZ	15914.405	Code	SQUAD2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.033	Hz Prec	0.024	Vt Prec	0.039
QC 1		PDOP	1.6	GDOP	2.1	HDOP	0.8	VDOP	1.4
		Base data age	1	Satellites	12	Positions used	3		

QC 2		VCV xx (m²)	0.000025	VCV xy (m²)	0.000007	VCV xz (m²)	0.000000		
				VCV yy (m²)	0.000102	VCV yz (m²)	-0.000055		
						VCV zz (m²)	0.000069		
Point	315	ΔX	16756.991	ΔY	14791.236	ΔZ	15926.690	Code	SQUAD2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.045	Hz Prec	0.028	Vt Prec	0.047
QC 1		PDOP	2.0	GDOP	2.7	HDOP	1.0	VDOP	1.7
		Base data age	3	Satellites	11	Positions used	3		
QC 2		VCV xx (m²)	0.000035	VCV xy (m²)	0.000020	VCV xz (m²)	-0.000012		
				VCV yy (m²)	0.000139	VCV yz (m²)	-0.000082		
						VCV zz (m²)	0.000100		
Point	316	ΔX	16735.129	ΔY	14646.813	ΔZ	15772.590	Code	EG2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.030	Hz Prec	0.028	Vt Prec	0.046
QC 1		PDOP	1.6	GDOP	2.1	HDOP	0.8	VDOP	1.4
		Base data age	2	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000033	VCV xy (m²)	0.000009	VCV xz (m²)	0.000000		
				VCV yy (m²)	0.000138	VCV yz (m²)	-0.000075		
						VCV zz (m²)	0.000095		
Point	317	ΔX	16739.908	ΔY	14645.534	ΔZ	15772.040	Code	EA2

		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.023	Hz Prec	0.027	Vt Prec	0.044
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.8	VDOP	1.4
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000031	VCV xy (m²)	0.000008	VCV xz (m²)	-0.000001		
				VCV yy (m²)	0.000129	VCV yz (m²)	-0.000072		
						VCV zz (m²)	0.000091		
Point	318	ΔX	16745.726	ΔY	14645.645	ΔZ	15772.710	Code	FL2
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.043	Hz Prec	0.027	Vt Prec	0.044
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.8	VDOP	1.4
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000031	VCV xy (m²)	0.000008	VCV xz (m²)	-0.000001		
				VCV yy (m²)	0.000129	VCV yz (m²)	-0.000072		
						VCV zz (m²)	0.000092		
Point	319	ΔX	16757.752	ΔY	14645.929	ΔZ	15773.791	Code	CL1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.010	Hz Prec	0.028	Vt Prec	0.046
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.8	VDOP	1.4

		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000034	VCV xy (m²)	0.000009	VCV xz (m²)	-0.000001		
				VCV yy (m²)	0.000139	VCV yz (m²)	-0.000078		
						VCV zz (m²)	0.000100		
Point	320	ΔX	16769.697	ΔY	14646.320	ΔZ	15774.690	Code	FL3
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.011	Hz Prec	0.029	Vt Prec	0.047
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.8	VDOP	1.4
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000035	VCV xy (m²)	0.000009	VCV xz (m²)	-0.000001		
				VCV yy (m²)	0.000142	VCV yz (m²)	-0.000080		
						VCV zz (m²)	0.000102		
Point	321	ΔX	16775.903	ΔY	14646.699	ΔZ	15775.286	Code	EA1
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.038	Hz Prec	0.029	Vt Prec	0.047
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.8	VDOP	1.4
		Base data age	1	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000035	VCV xy (m²)	0.000009	VCV xz (m²)	-0.000001		
				VCV yy (m²)	0.000145	VCV yz (m²)	-0.000081		

						VCV zz (m²)	0.000104		
Point	322	ΔX	16780.387	ΔY	14647.265	ΔZ	15775.346	Code	EG3
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.035	Hz Prec	0.029	Vt Prec	0.048
QC 1		PDOP	1.6	GDOP	2.2	HDOP	0.8	VDOP	1.4
		Base data age	2	Satellites	12	Positions used	3		
QC 2		VCV xx (m²)	0.000036	VCV xy (m²)	0.000009	VCV xz (m²)	-0.000001		
				VCV yy (m²)	0.000147	VCV yz (m²)	-0.000082		
						VCV zz (m²)	0.000106		

Initialization event: RTK not initialized

GPS week	2266	Seconds	538369	Initialization type	On the fly	Survey type	Real- time		
---------------------	------	----------------	--------	--------------------------------	---------------	------------------------	---------------	--	--

Initialization event: RTK initialized

GPS week	2266	Seconds	538383	Initialization type	On the fly	Survey type	Real- time		
---------------------	------	----------------	--------	--------------------------------	---------------	------------------------	---------------	--	--

Point	323	ΔX	16614.322	ΔY	15838.271	ΔZ	17036.071	Code	ACC
		Description 1	ACC	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.020	Hz Prec	0.022	Vt Prec	0.043
QC 1		PDOP	2.1	GDOP	2.8	HDOP	0.9	VDOP	1.9
		Base data age	1	Satellites	11	Positions used	3		
QC 2		VCV xx (m²)	0.000021	VCV xy (m²)	0.000010	VCV xz (m²)	-0.000008		

				VCV yy (m²)	0.000105	VCV yz (m²)	-0.000072		
						VCV zz (m²)	0.000087		
Point	324	ΔX	16615.312	ΔY	15827.964	ΔZ	17025.230	Code	ACC
		Description 1	ACC	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.035	Hz Prec	0.022	Vt Prec	0.042
QC 1		PDOP	2.1	GDOP	2.8	HDOP	0.9	VDOP	1.9
		Base data age	1	Satellites	11	Positions used	3		
QC 2		VCV xx (m²)	0.000020	VCV xy (m²)	0.000009	VCV xz (m²)	-0.000007		
				VCV yy (m²)	0.000103	VCV yz (m²)	-0.000071		
						VCV zz (m²)	0.000086		
Point	3	ΔX	16657.375	ΔY	15861.827	ΔZ	17070.153	Code	BS
		Description 1	BK ST	Description 2					
		Method	Network RTK	Type	Topo point	Search class	Normal		
Antenna height	5.906	Type	Uncorrected	Tilt distance	0.031	Hz Prec	0.029	Vt Prec	0.059
QC 1		PDOP	2.7	GDOP	3.7	HDOP	1.3	VDOP	2.3
		Base data age	1	Satellites	9	Positions used	3		
QC 2		VCV xx (m²)	0.000045	VCV xy (m²)	0.000061	VCV xz (m²)	-0.000036		
				VCV yy (m²)	0.000223	VCV yz (m²)	-0.000140		
						VCV zz (m²)	0.000130		

Survey event

Survey event	End survey
---------------------	------------

Reduced points

Point	IA New Albin	North	127936.191	East	595364.232	Elevation	671.289	Code	
Point	1	North	151392.917	East	611803.671	Elevation	659.272	Code	CP1
Point	2	North	151127.620	East	611829.663	Elevation	657.986	Code	CP2
Point	100	North	151117.427	East	611798.151	Elevation	650.200	Code	TM1
		Description 1	tm1	Description 2					
Point	101	North	151132.301	East	611797.482	Elevation	650.177	Code	TM1
		Description 1	tm1	Description 2					
Point	102	North	151145.111	East	611797.228	Elevation	650.044	Code	TM1
		Description 1	tm1	Description 2					
Point	103	North	151157.811	East	611796.799	Elevation	650.046	Code	TM1
		Description 1	tm1	Description 2					
Point	104	North	151170.287	East	611796.188	Elevation	649.949	Code	TM1
		Description 1	tm1	Description 2					
Point	105	North	151179.482	East	611795.804	Elevation	649.969	Code	TM1
		Description 1	tm1	Description 2					
Point	106	North	151189.072	East	611795.488	Elevation	649.933	Code	TM1
		Description 1	tm1	Description 2					
Point	107	North	151199.131	East	611794.970	Elevation	649.847	Code	TM1
		Description 1	tm1	Description 2					

Point	108	North	151207.457	East	611794.385	Elevation	649.838	Code	TM1
		Description 1	tm1	Description 2					
Point	109	North	151217.824	East	611793.567	Elevation	649.907	Code	TM1
		Description 1	tm1	Description 2					
Point	110	North	151227.141	East	611793.071	Elevation	649.750	Code	TM1
		Description 1	tm1	Description 2					
Point	111	North	151235.003	East	611792.616	Elevation	649.912	Code	TM1
		Description 1	tm1	Description 2					
Point	112	North	151241.988	East	611791.585	Elevation	650.064	Code	TM1
		Description 1	tm1	Description 2					
Point	113	North	151248.216	East	611791.072	Elevation	650.005	Code	TM1
		Description 1	tm1	Description 2					
Point	114	North	151254.769	East	611790.787	Elevation	649.962	Code	TM1
		Description 1	tm1	Description 2					
Point	115	North	151261.474	East	611790.374	Elevation	650.069	Code	TM1
		Description 1	tm1	Description 2					
Point	116	North	151268.431	East	611789.654	Elevation	650.250	Code	TM1
		Description 1	tm1	Description 2					
Point	117	North	151276.340	East	611788.901	Elevation	650.304	Code	TM1
		Description 1	tm1	Description 2					
Point	118	North	151283.612	East	611788.500	Elevation	650.753	Code	TM1
		Description 1	tm1	Description 2					
Point	119	North	151291.470	East	611787.892	Elevation	651.514	Code	TM1

		Description 1	tm1	Description 2					
Point	120	North	151298.160	East	611786.768	Elevation	652.155	Code	TM1
		Description 1	tm1	Description 2					
Point	121	North	151302.448	East	611786.188	Elevation	652.339	Code	TM1
		Description 1	tm1	Description 2					
Point	122	North	151306.784	East	611785.151	Elevation	652.329	Code	TM1
		Description 1	tm1	Description 2					
Point	123	North	151313.514	East	611783.661	Elevation	652.263	Code	TM1
		Description 1	tm1	Description 2					
Point	124	North	151388.767	East	611774.351	Elevation	653.046	Code	TM2
		Description 1	tm1	Description 2					
Point	125	North	151401.232	East	611774.271	Elevation	653.011	Code	TM2
		Description 1	tm1	Description 2					
Point	126	North	151407.445	East	611774.439	Elevation	652.889	Code	TM2
		Description 1	tm1	Description 2					
Point	127	North	151415.961	East	611774.507	Elevation	652.726	Code	TM2
		Description 1	tm1	Description 2					
Point	128	North	151427.960	East	611774.505	Elevation	653.015	Code	TM2
		Description 1	tm1	Description 2					
Point	129	North	151442.365	East	611773.352	Elevation	653.129	Code	TM2
		Description 1	tm1	Description 2					
Point	130	North	151453.907	East	611772.720	Elevation	653.182	Code	TM2

		Description 1	tm1	Description 2					
Point	131	North	151467.145	East	611771.991	Elevation	653.162	Code	TM2
		Description 1	tm1	Description 2					
Point	132	North	151480.240	East	611771.249	Elevation	653.295	Code	TM2
		Description 1	tm1	Description 2					
Point	133	North	151491.423	East	611770.968	Elevation	653.490	Code	TM2
		Description 1	tm1	Description 2					
Point	134	North	151510.054	East	611770.296	Elevation	653.888	Code	TM2
		Description 1	tm1	Description 2					
Point	135	North	151526.033	East	611769.492	Elevation	654.023	Code	TM2
		Description 1	tm1	Description 2					
Point	136	North	151542.304	East	611768.760	Elevation	654.213	Code	TM2
		Description 1	tm1	Description 2					
Point	137	North	151560.574	East	611768.362	Elevation	654.229	Code	TM2
		Description 1	tm1	Description 2					
Point	138	North	151576.084	East	611768.084	Elevation	654.486	Code	TM2
		Description 1	tm1	Description 2					
Point	139	North	151590.698	East	611768.928	Elevation	654.245	Code	TM2
		Description 1	tm1	Description 2					
Point	140	North	151603.927	East	611768.860	Elevation	654.261	Code	TM2
		Description 1	tm1	Description 2					
Point	141	North	151614.216	East	611768.541	Elevation	654.453	Code	TM2

		Description 1	tm1	Description 2					
Point	142	North	151630.909	East	611768.358	Elevation	654.597	Code	TM2
		Description 1	tm1	Description 2					
Point	143	North	151639.121	East	611768.512	Elevation	654.661	Code	TM2
		Description 1	tm1	Description 2					
Point	144	North	151645.379	East	611768.013	Elevation	654.885	Code	TM2
		Description 1	tm1	Description 2					
Point	145	North	151648.070	East	611767.431	Elevation	655.070	Code	TM2
		Description 1	tm1	Description 2					
Point	146	North	151661.539	East	611761.277	Elevation	656.281	Code	AXL1
		Description 1	PICKUP	Description 2					
Point	147	North	151661.502	East	611767.808	Elevation	655.297	Code	AXL1
		Description 1	PICKUP	Description 2					
Point	148	North	151652.295	East	611768.406	Elevation	655.097	Code	AXL2
		Description 1	PICKUP	Description 2					
Point	149	North	151652.031	East	611761.811	Elevation	656.078	Code	AXL2
		Description 1	PICKUP	Description 2					
Point	150	North	151656.270	East	611759.650	Elevation	656.248	Code	BODY
		Description 1	PICKUP	Description 2					
Point	151	North	151650.356	East	611758.679	Elevation	656.149	Code	BODY
		Description 1	PICKUP	Description 2					
Point	152	North	151647.991	East	611765.039	Elevation	655.720	Code	TRUCK

		Description 1	PICKUP	Description 2					
Point	153	North	151647.830	East	611763.314	Elevation	655.840	Code	TRUCK
		Description 1	PICKUP	Description 2					
Point	154	North	151648.111	East	611762.670	Elevation	655.850	Code	TRUCK
		Description 1	PICKUP	Description 2					
Point	155	North	151650.737	East	611762.122	Elevation	655.937	Code	TRUCK
		Description 1	PICKUP	Description 2					
Point	156	North	151654.270	East	611762.085	Elevation	656.041	Code	TRUCK
		Description 1	PICKUP	Description 2					
Point	157	North	151659.199	East	611761.671	Elevation	656.166	Code	TRUCK
		Description 1	PICKUP	Description 2					
Point	158	North	151662.818	East	611761.642	Elevation	656.167	Code	TRUCK
		Description 1	PICKUP	Description 2					
Point	159	North	151663.669	East	611761.892	Elevation	656.166	Code	TRUCK
		Description 1	PICKUP	Description 2					
Point	160	North	151664.063	East	611762.693	Elevation	656.114	Code	TRUCK
		Description 1	PICKUP	Description 2					
Point	161	North	151664.330	East	611764.478	Elevation	655.979	Code	TRUCK
		Description 1	PICKUP	Description 2					
Point	162	North	151664.149	East	611766.847	Elevation	655.487	Code	TRUCK
		Description 1	PICKUP	Description 2					
Point	163	North	151663.625	East	611767.486	Elevation	655.339	Code	TRUCK

		Description 1	PICKUP	Description 2					
Point	164	North	151660.298	East	611767.910	Elevation	655.236	Code	TRUCK
		Description 1	PICKUP	Description 2					
Point	165	North	151655.075	East	611768.215	Elevation	655.074	Code	TRUCK
		Description 1	PICKUP	Description 2					
Point	166	North	151649.809	East	611768.459	Elevation	655.000	Code	TRUCK
		Description 1	PICKUP	Description 2					
Point	167	North	151648.234	East	611768.079	Elevation	655.071	Code	TRUCK
		Description 1	PICKUP	Description 2					
Point	168	North	151647.908	East	611767.049	Elevation	655.317	Code	TRUCK
		Description 1	PICKUP	Description 2					
Point	169	North	151648.008	East	611765.454	Elevation	655.755	Code	TRUCK
		Description 1	PICKUP	Description 2					
Point	170	North	151773.851	East	611770.040	Elevation	656.511	Code	EG1
Point	171	North	151774.318	East	611765.125	Elevation	657.155	Code	EA1
Point	172	North	151774.162	East	611758.919	Elevation	657.464	Code	FL1
Point	173	North	151773.531	East	611747.073	Elevation	657.861	Code	CL1
Point	174	North	151773.353	East	611735.259	Elevation	658.192	Code	FL2
Point	175	North	151772.797	East	611728.903	Elevation	658.262	Code	EA2
Point	176	North	151773.851	East	611722.450	Elevation	657.577	Code	EG2
Point	177	North	151718.196	East	611721.616	Elevation	657.137	Code	EG2
Point	178	North	151717.620	East	611727.148	Elevation	657.776	Code	EA2
Point	179	North	151717.056	East	611733.575	Elevation	657.610	Code	FL2
Point	180	North	151716.646	East	611745.283	Elevation	657.328	Code	CL1
Point	181	North	151716.301	East	611757.105	Elevation	656.952	Code	FL1

Point	182	North	151716.072	East	611763.196	Elevation	656.641	Code	EA1
Point	183	North	151715.583	East	611768.510	Elevation	655.637	Code	EG1
Point	184	North	151667.981	East	611766.666	Elevation	655.315	Code	EG1
Point	185	North	151667.869	East	611762.117	Elevation	656.167	Code	EA1
Point	186	North	151667.659	East	611756.006	Elevation	656.394	Code	FL1
Point	187	North	151667.573	East	611744.130	Elevation	656.932	Code	CL1
Point	188	North	151666.923	East	611732.434	Elevation	657.203	Code	FL2
Point	189	North	151666.897	East	611726.172	Elevation	657.395	Code	EA2
Point	190	North	151666.524	East	611720.767	Elevation	656.765	Code	EG2
Point	191	North	151618.686	East	611721.015	Elevation	656.435	Code	EG2
Point	192	North	151616.047	East	611726.044	Elevation	656.698	Code	EA2
Point	193	North	151616.765	East	611732.453	Elevation	656.621	Code	FL2
Point	194	North	151616.765	East	611744.269	Elevation	656.272	Code	CL1
Point	195	North	151617.536	East	611756.073	Elevation	655.852	Code	FL1
Point	196	North	151617.426	East	611762.208	Elevation	655.564	Code	EA1
Point	197	North	151617.556	East	611766.309	Elevation	654.931	Code	EG1
Point	198	North	151556.436	East	611766.996	Elevation	654.468	Code	EG1
Point	199	North	151556.448	East	611763.181	Elevation	655.062	Code	EA1
Point	200	North	151556.171	East	611756.951	Elevation	655.392	Code	FL1
Point	201	North	151555.285	East	611744.954	Elevation	655.872	Code	CL1
Point	202	North	151554.242	East	611733.475	Elevation	656.218	Code	FL2
Point	203	North	151553.296	East	611727.125	Elevation	656.384	Code	EA2
Point	204	North	151552.381	East	611722.067	Elevation	655.744	Code	EG2
Point	205	North	151483.317	East	611723.876	Elevation	655.180	Code	EG2
Point	206	North	151482.449	East	611729.218	Elevation	655.641	Code	EA2
Point	207	North	151480.517	East	611735.637	Elevation	655.478	Code	FL2
Point	208	North	151480.617	East	611747.221	Elevation	655.161	Code	CL1
Point	209	North	151480.938	East	611759.148	Elevation	654.748	Code	FL1

Point	210	North	151480.730	East	611765.330	Elevation	654.415	Code	EA1
Point	211	North	151480.944	East	611769.728	Elevation	653.678	Code	EG1
Point	212	North	151503.779	East	611758.450	Elevation	654.820	Code	AXL3
		Description 1	SQUAD	Description 2					
Point	213	North	151500.434	East	611752.637	Elevation	655.052	Code	AXL3
		Description 1	SQUAD	Description 2					
Point	214	North	151491.862	East	611757.317	Elevation	654.850	Code	AXL4
		Description 1	SQUAD	Description 2					
Point	215	North	151495.084	East	611763.189	Elevation	654.664	Code	AXL4
		Description 1	SQUAD	Description 2					
Point	216	North	151489.858	East	611762.150	Elevation	654.527	Code	SQUAD1
Point	217	North	151489.031	East	611759.959	Elevation	654.617	Code	SQUAD1
Point	218	North	151489.546	East	611758.953	Elevation	654.700	Code	SQUAD1
Point	219	North	151492.933	East	611756.831	Elevation	654.810	Code	SQUAD1
Point	220	North	151498.519	East	611753.748	Elevation	654.987	Code	SQUAD1
Point	221	North	151502.325	East	611751.858	Elevation	655.095	Code	SQUAD1
Point	222	North	151503.678	East	611752.858	Elevation	655.093	Code	SQUAD1
Point	223	North	151504.494	East	611752.481	Elevation	655.142	Code	SQUAD1
Point	224	North	151505.940	East	611755.071	Elevation	655.133	Code	SQUAD1
Point	225	North	151505.314	East	611755.545	Elevation	655.075	Code	SQUAD1
Point	226	North	151505.412	East	611756.863	Elevation	655.071	Code	SQUAD1
Point	227	North	151504.941	East	611757.627	Elevation	655.083	Code	SQUAD1
Point	228	North	151502.032	East	611759.224	Elevation	654.898	Code	SQUAD1
Point	229	North	151497.617	East	611761.787	Elevation	654.841	Code	SQUAD1
Point	230	North	151493.471	East	611763.937	Elevation	654.645	Code	SQUAD1
Point	231	North	151491.461	East	611764.194	Elevation	654.669	Code	SQUAD1

Point	232	North	151406.175	East	611774.163	Elevation	653.210	Code	EG1
Point	233	North	151405.887	East	611768.931	Elevation	653.898	Code	EA1
Point	234	North	151405.242	East	611762.858	Elevation	654.341	Code	FL1
Point	235	North	151402.909	East	611751.248	Elevation	654.656	Code	CL1
Point	236	North	151401.834	East	611739.662	Elevation	654.671	Code	FL2
Point	237	North	151401.157	East	611733.358	Elevation	654.531	Code	EA2
Point	238	North	151399.500	East	611728.928	Elevation	654.582	Code	EG2
Point	239	North	151322.609	East	611734.889	Elevation	653.692	Code	EG2
Point	240	North	151322.974	East	611739.473	Elevation	653.296	Code	EA2
Point	241	North	151321.350	East	611746.072	Elevation	653.642	Code	FL2
Point	242	North	151322.163	East	611757.465	Elevation	653.799	Code	CL1
Point	243	North	151327.795	East	611768.746	Elevation	653.134	Code	FL1
Point	244	North	151331.683	East	611774.663	Elevation	652.717	Code	EA1
Point	245	North	151331.276	East	611780.341	Elevation	652.480	Code	EG1
Point	246	North	151272.209	East	611784.417	Elevation	651.529	Code	EG1
Point	247	North	151272.498	East	611780.158	Elevation	651.929	Code	EA1
Point	248	North	151272.461	East	611773.813	Elevation	652.344	Code	FL1
Point	249	North	151271.916	East	611761.975	Elevation	652.657	Code	CL1
Point	250	North	151270.808	East	611750.264	Elevation	652.987	Code	FL2
Point	251	North	151269.923	East	611743.787	Elevation	653.196	Code	EA2
Point	252	North	151271.412	East	611739.039	Elevation	653.045	Code	EG2
Point	253	North	151192.074	East	611741.818	Elevation	651.573	Code	EG2
Point	254	North	151193.125	East	611748.830	Elevation	652.101	Code	EA2
Point	255	North	151193.239	East	611757.144	Elevation	652.123	Code	FL2
Point	256	North	151194.340	East	611769.122	Elevation	651.915	Code	CL1
Point	257	North	151195.517	East	611780.685	Elevation	651.559	Code	FL1
Point	258	North	151196.382	East	611786.991	Elevation	651.250	Code	EA1
Point	259	North	151196.002	East	611791.595	Elevation	650.767	Code	EG1

Point	260	North	151164.174	East	611747.642	Elevation	651.127	Code	EG2
Point	261	North	151164.019	East	611753.415	Elevation	651.715	Code	EA2
Point	262	North	150935.622	East	611768.394	Elevation	647.781	Code	EG2
Point	263	North	150936.301	East	611775.671	Elevation	648.325	Code	EA2
Point	264	North	150936.196	East	611781.566	Elevation	648.513	Code	FL2
Point	265	North	150935.346	East	611793.719	Elevation	648.745	Code	CL1
Point	266	North	150936.065	East	611805.398	Elevation	648.588	Code	FL1
Point	267	North	150936.566	East	611811.930	Elevation	648.636	Code	EA1
Point	268	North	150936.089	East	611816.983	Elevation	648.321	Code	EG1
Point	269	North	150889.195	East	611809.453	Elevation	647.942	Code	GLASS
Point	270	North	150872.206	East	611798.292	Elevation	648.123	Code	GLASS
Point	271	North	150852.494	East	611793.930	Elevation	647.939	Code	GLASS
Point	272	North	150824.068	East	611797.747	Elevation	647.530	Code	GLASS
Point	273	North	150779.025	East	611801.334	Elevation	647.109	Code	GLASS
Point	274	North	150738.544	East	611804.960	Elevation	646.667	Code	GLASS
Point	275	North	150719.029	East	611809.719	Elevation	646.653	Code	GLASS
Point	276	North	150694.345	East	611816.609	Elevation	646.617	Code	GLASS
Point	277	North	150689.207	East	611829.062	Elevation	646.411	Code	GLASS
Point	278	North	150701.607	East	611838.768	Elevation	646.203	Code	GLASS
Point	279	North	150740.537	East	611836.274	Elevation	645.946	Code	GLASS
Point	280	North	150871.262	East	611820.442	Elevation	647.732	Code	GLASS
Point	281	North	150798.994	East	611821.425	Elevation	647.240	Code	GLAS2
		Description 1	SOUAD	Description 2					
Point	282	North	150771.473	East	611824.511	Elevation	646.907	Code	GLAS2
Point	283	North	150731.592	East	611828.585	Elevation	646.633	Code	GLAS2
Point	284	North	150588.369	East	611850.782	Elevation	645.186	Code	EG1
Point	285	North	150588.855	East	611845.910	Elevation	645.461	Code	EA1

Point	286	North	150588.197	East	611839.729	Elevation	645.740	Code	FL1
Point	287	North	150586.667	East	611827.851	Elevation	645.995	Code	CL1
Point	288	North	150585.382	East	611815.903	Elevation	645.676	Code	FL1
Point	289	North	150584.611	East	611809.919	Elevation	645.379	Code	EA1
Point	290	North	150582.864	East	611804.684	Elevation	644.804	Code	EG1
Point	291	North	150482.688	East	611850.087	Elevation	645.357	Code	FL1
Point	292	North	150482.927	East	611856.171	Elevation	645.147	Code	EA1
Point	293	North	150482.621	East	611860.756	Elevation	644.707	Code	EG1
Point	294	North	150424.832	East	611860.975	Elevation	645.094	Code	FL1
Point	295	North	150425.342	East	611862.071	Elevation	644.906	Code	EA1
Point	296	North	150411.861	East	611874.898	Elevation	645.000	Code	EA1
Point	297	North	150353.282	East	611881.360	Elevation	645.158	Code	EA1
Point	298	North	150338.822	East	611870.499	Elevation	644.985	Code	EA1
Point	299	North	150345.900	East	611879.188	Elevation	644.861	Code	EG3
Point	300	North	150334.441	East	611875.522	Elevation	644.717	Code	EG3
Point	301	North	150336.227	East	611864.268	Elevation	645.253	Code	FL3
Point	302	North	149947.173	East	611911.667	Elevation	644.691	Code	EG3
Point	303	North	149946.476	East	611908.094	Elevation	644.930	Code	EA1
Point	304	North	149944.933	East	611902.230	Elevation	645.071	Code	FL3
Point	305	North	149943.125	East	611889.987	Elevation	645.264	Code	CL1
Point	306	North	149939.169	East	611878.474	Elevation	644.990	Code	FL2
Point	307	North	149938.107	East	611872.608	Elevation	644.748	Code	EA2
Point	308	North	149937.365	East	611869.076	Elevation	644.579	Code	EG2

Point	309	North	149823.431	East	611914.885	Elevation	645.376	Code	AXL5
		Description 1	SOUAD	Description 2					
Point	310	North	149824.121	East	611921.628	Elevation	645.148	Code	AXL5
		Description 1	SOUAD	Description 2					

Point	311	North	149814.700	East	611922.781	Elevation	645.220	Code	AXL6
		Description 1	SOUAD	Description 2					
Point	312	North	149814.028	East	611916.173	Elevation	645.415	Code	AXL6
		Description 1	SOUAD	Description 2					
Point	313	North	149813.984	East	611916.174	Elevation	645.373	Code	AXL6
		Description 1	SOUAD	Description 2					
Point	314	North	149810.527	East	611919.903	Elevation	645.395	Code	SQUAD2
Point	315	North	149827.564	East	611917.972	Elevation	645.318	Code	SQUAD2
Point	316	North	149616.171	East	611898.079	Elevation	644.105	Code	EG2
Point	317	North	149614.936	East	611902.877	Elevation	644.579	Code	EA2
Point	318	North	149615.553	East	611908.695	Elevation	644.870	Code	FL2
Point	319	North	149616.646	East	611920.718	Elevation	645.222	Code	CL1
Point	320	North	149617.679	East	611932.658	Elevation	645.373	Code	FL3
Point	321	North	149618.430	East	611938.859	Elevation	645.413	Code	EA1
Point	322	North	149618.906	East	611943.333	Elevation	644.974	Code	EG3
Point	323	North	151351.618	East	611761.046	Elevation	653.456	Code	ACC
		Description 1	ACC	Description 2					
Point	324	North	151336.669	East	611762.176	Elevation	653.437	Code	ACC
		Description 1	ACC	Description 2					
Point	3	North	151392.953	East	611803.806	Elevation	659.210	Code	BS
		Description 1	BK ST	Description 2					

Wisconsin Division of Criminal Investigation

Memo to File 23-4795/39

Report Date: 07/12/2023

Primary Information

Description:	Manual transmission shifter position in subject's vehicle
Reporting LEO:	Haverley, Michael K (Eau Claire Narcotics DCI / Wisconsin Division of Criminal Investigation)
Report Status:	Approved
Report Status Date:	07/12/2023
Approved By:	Heiser, Shane T (Wisconsin Division of Criminal Investigation)

Synopsis

On July 11, 2023, Wisconsin Department of Justice - Division of Criminal Investigation (DCI) Special Agent (SA) Michael Haverley completed follow-up on the manual transmission shifter position of the subject's vehicle.

Narrative begins on the following page.

Wisconsin Division of Criminal Investigation Case Report
Case/Report Number:

On July 11, 2023, Wisconsin Department of Justice - Division of Criminal Investigation (DCI) Special Agent (SA) Michael Haverley completed follow-up on the manual transmission shifter position of the subject's vehicle. SA Justin Bender asked SA Haverley what position the shifter was in during his speed estimation analysis.

SA Haverley inquired about this with Sheriff Roy Torgerson of the Vernon County Sheriff's Office (VCSO). Sheriff Torgerson copied SA Haverley on an email as he checked with VCSO Sergeant (Sgt.) Sam Winchel. Sgt. Winchel responded that he never touched the vehicle and he told the tow company to tow "as-is" and not to touch the interior so it should have still been in the gear it was.

SA Haverley checked with SA Jay Greeno who assisted in the search of the subject's vehicle at the storage facility after it was towed. SA Greeno advised that the shifter was in a downward position towards the seat. SA Greeno stated that he knew that because he had to move it up to get the vehicle into neutral. SA Haverley performed an internet search and viewed a shifter diagram for a 2001 Dodge Dakota pickup truck with a V8 motor. 2nd gear and 4th gear are at the bottom. SA Greeno and SA Haverley determined that the truck was likely in 4th gear as it traveled an estimated highway speed during the incident, however it is unknown if it could have been in 2nd gear and going the same speed(s) at higher RPM. SA Haverley checked with SA David Kleinhans, but he did not have any knowledge of this.

REVIEW OF PHOTOS/VIDEOS BY SA HAVERLEY:

Photographs captured by Sgt. Winchel and reported on under 23-4795/33 of this case file were reviewed. SA Haverley observed an image with the file name ending with "IMG_20230616_194306746_kWB.jpg" showed the shift position down.

The body worn camera footage from Deputy Brown, which was reported on under 23-4795/26 of this case file was reviewed. SA Haverley found a view of the shifter at 05:30 of the recording, which appears to be right after Deputy Brown fired his weapon.

Wisconsin Division of Criminal Investigation

Investigative 23-4795/40

Report Date: 07/17/2023

Primary Information

Description:	Receipt of WSCL Autopsy Photo-Log
Occurrence From:	07/06/2023
Occurrence To:	07/06/2023
Reporting LEO:	Folkers, Kenneth J (Madison Special Assignments DCI / Wisconsin Division of Criminal Investigation)
Report Status:	Approved
Report Status Date:	07/19/2023
Approved By:	Vosters, Jake E (Wisconsin Division of Criminal Investigation)

Subjects

<u>Relationship</u>	<u>Name</u>	<u>Bio</u>	<u>DOB</u>
Mentioned	Ertl, John R (Crime Lab Personnel)	White, Male	---
Mentioned	Naleid, Trevor W (Crime Lab Personnel)		---
Deceased	Boardman, William S (Person)	61 yr. old, White, Male	

Documents

<u>Document</u>
M23-1645-1 WSCL Photo Log

Narrative begins on the following page.

Wisconsin Division of Criminal Investigation Case Report
Case/Report Number: 23-4795/40 Receipt of WSCL Autopsy Photo-Log

On Friday, June 16, 2023, Special Agents (SA) from the Wisconsin Department of Justice-Division of Criminal Investigation (WI DOJ-DCI) were assigned to assist the Vernon County Sheriff's Office (VESO) with an officer-involved death investigation (OID) in Genoa, WI. DCI SA Kenneth Folkers was assigned to attend the autopsy of William S. Boardman (DCI report number 23-4795/8).

On Thursday, July 6, 2023, Wisconsin State Crime Laboratory (WSCL) Forensic Scientist John Ertl invited SA Folkers by email to a Sharefile folder entitled 'M23-1645' (the WSCL-Madison case number). The Sharefile folder contained a 4-page PDF document that was the photo-log of the seventy-two (72) photographs which were taken by WSCL Forensic Scientist Trevor Naleid at the autopsy of William S. Boardman on Monday, June 19, 2023. The 4-page photo-log will be attached to this report.

Please reference the following case numbers for additional information: Autopsy #23-285 and WSCL #M23-1645.

NO FURTHER ACTION TAKEN

Wisconsin Division of Criminal Investigation

Memo to File 23-4795/41

Report Date: 07/19/2023

Primary Information

Description:	Information related to Deputy Brown's squad camera
Reporting LEO:	Haverley, Michael K (Eau Claire Narcotics DCI / Wisconsin Division of Criminal Investigation)
Report Status:	Approved
Report Status Date:	07/19/2023
Approved By:	Vosters, Jake E (Wisconsin Division of Criminal Investigation)

Synopsis

On July 18, 2023, Wisconsin Department of Justice - Division of Criminal Investigation Special Agent (SA) Michael Haverley followed up with Vernon County Sheriff Roy Torgerson regarding the appearance of the video footage obtained from Deputy Brown's squad camera.

Narrative begins on the following page.

Wisconsin Division of Criminal Investigation Case Report

Case/Report Number: 23-4795/41 Information related to Deputy Brown's squad camera

SYNOPSIS:

On July 18, 2023, Wisconsin Department of Justice - Division of Criminal Investigation Special Agent (SA) Michael Haverley followed up with Vernon County Sheriff Roy Torgerson regarding the appearance of the video footage obtained from Deputy Brown's squad camera.

APPEARANCE OF DEPUTY BROWN'S SQUAD VIDEO:

SA Haverley recalled discussing the upside down appearance of Deputy Brown's squad camera video footage with Vernon County Sheriff's Office (VCSO) and other DCI personnel when the video was first observed during the early stages of this investigation. SA Haverley recalled asking VCSO why the squad camera video footage appeared the way it did during review.

SA Haverley contacted Sheriff Torgerson and asked about the appearance of the video footage. SA Haverley inquired if this was "normal" format for this squad vehicle or if something different had occurred. SA Haverley requested Sheriff Torgerson to please check with Sgt. Sam Winchel or other VCSO supervisors if he was not familiar with why this squad video was upside down. Sheriff Torgerson advised SA Haverley that they have at least one other camera that is also recording upside down. Sheriff Torgerson advised that they had worked with Digital Ally, which is the video solutions/software company they used for squad video. Sheriff Torgerson advised that Digital Ally is aware of the problem and they need to send the cameras in. On July 19, 2023, Sheriff Torgerson updated SA Haverley that VCSO is in contact with Digital Ally regarding the squad cameras. SA Haverley also mentioned to Sheriff Torgerson that the times/dates of their squad cameras should be checked and confirmed as well.